



**Government of India  
Department of Atomic Energy  
Indira Gandhi Centre for Atomic Research  
Kalpakkam – 603 102**

**Reprocessing Group (RpG)  
Reprocessing Design and R&D Group (RDRDG)  
Engineering Design and Analysis Section (EDAS)**

**Tender for**

**“Fabrication, Erection, Testing and Demonstration of Hot Cell Test  
Facility for Hot Cell / Head End Equipment Demonstration”**

**TENDER NO. IGC/RpG/FRPPCG/EDAD/EDAS/2024/33/01**





GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
INDIRA GANDHI CENTRE FOR ATOMIC RESEARCH  
**Reprocessing Group**  
KALPAKKAM

Name of the work: **Fabrication, Erection, Testing and Demonstration of Hot Cell Test Facility for Hot Cell / Head End Equipment Demonstration.**

Tender No : **IGC/RpG/FRPPCG/EDAD/EDAS/2024/33/01**

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**SECTION-I**  
**NOTICE INVITING TENDER (NIT)**



Government of India  
Department of Atomic Energy  
Indira Gandhi Centre for Atomic Research  
Reprocessing Group (RpG)  
Kalpakkam – 603 102

**NOTICE INVITING e-TENDER**

**TENDER NOTICE No.: IGC/RpG/FRPPCG/EDAD/EDAS/2024/33/01, Dated 01/08/2025**

**I. Guidelines for e-Tendering in CPPP website:**

1. To participate in the tendering process on the CPP Portal, Prospective Bidders require a valid Class III Digital Signature Certificates. All the documents related to the eligibility criteria of tender should be submitted electronically through CPP portal only. The instructions given in Annexure-1 are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal. More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

**II. NIT Details:**

2. Online item rate tender in Two parts i.e. Part-I – Techno-commercial Bid and Part-II – Financial Bid are hereby invited through e-Tendering mode on behalf of the President of India by **Chief Engineer, RpG, IGCAR, Kalpakkam - 603 102**, Chengalpattu District for the following work from experienced contractors who have satisfactorily completed similar works of such magnitude.

i) NIT No.	<b><u>IGC/RpG/FRPPCG/EDAD/EDAS/2024/33/01</u></b>
ii) Name of work	Fabrication, Erection, Testing and Demonstration of Hot Cell Test Facility for Hot Cell/Head End Equipment Demonstration
iii) Estimated Cost put to tender	20,32,203/- (Inclusive of 18% GST)
iv) Completion period	<b>04 (Four) Months</b>

v) <i>Earnest Money Deposit</i>	<b>₹40,644/-</b> (Rupees Forty thousand six hundred and forty four only) to be submitted in the form of Deposit at Call Receipt or Demand Draft / Bankers Cheque / Pay Order or Fixed Deposit Receipt drawn in favour of <b>Pay and Accounts Officer, IGCAR, Kalpakkam</b> payable at Kalpakkam <b>Cash, cheque, bank guarantee for earnest money deposit will not be accepted.</b>
vi) <i>Cost of tender document</i>	<b>NIL</b>
vii) <i>Tender processing fee</i>	<b>NIL</b>
viii) <i>Security Deposit</i>	<b>2.5 % of tendered value</b>
ix) <i>Performance Guarantee</i>	<b>3 % of tendered value</b>
x) <i>Publishing date of tender</i>	<b>04.08.2025 (10:00hrs.)</b>
xi) <i>Documents download/Sale Start date and Time</i>	<b>04/08/2025 (10:00 Hours)</b> To Download – please visit CPPP website on: <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> Detailed NIT is also available on website <a href="http://www.igcar.gov.in">www.igcar.gov.in</a> for view only.
xii) <i>Seek Clarification Start Date and Time</i>	<b>05/08/2025 (10:00 Hours)</b> The bidders are requested to send their clarification/queries on <b>CPPP website</b> <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> or queries may be sent <b>to e-mail id – <a href="mailto:maharana@igcar.gov.in">maharana@igcar.gov.in</a></b>
xiii) <i>Seek Clarification End Date and Time</i>	<b>08/08/2025 (15:00 Hours)</b>
xiv) <i>Bid Submission Start Date and Time</i>	<b>11/08/2025 (10:00 Hours)</b>
xv) <i>Bid Submission and Sale Closing Date</i>	<b>21/08/2025 (10:00 Hours)</b>

xvi) Last date and time for submission of Original EMD	<p>On or before <b>29/08/2025 (15:00 Hours)</b> at <b>M. Ashwin, Room No-GA211, RPDB (RGAS Building), RpG, IGCAR , Kalpakkam – 603 102, Chengalpattu District. (Contact Phone No. 044-27480500 Extn : 26974, 26968).</b> The tenderer shall be required to submit the Earnest Money in a sealed envelope marked '<b>Earnest Money.</b>'</p> <p><b>Please note that, EMD shall be submitted in a sealed envelope clearly mentioning the Unit name (IGCAR), Tender number &amp; Name of work in a cover without fail.</b></p> <p>However, documents sent by post or courier will also be considered provided the same is received within due date &amp; time.</p> <p><b>If the tenderer fails to submit original DD/BC/PO/DR etc., within the prescribed period as mentioned above those tenders will be summarily rejected.</b></p>
xvii) Date and Time of online opening of Part-I (Technical Bid)	<b>01/09/2025(15:30 Hours) at the office of Accounts,IGCAR, Kalpakkam</b>
xviii) Period of verification of credentials for evaluation.	<p><b>03/09/2025 to 19/09/2025 [Except on 05/09/2025 &amp; 06/09/2025, 07/09/2025, 13/09/2025 &amp; 14/09/2025]</b></p> <p><b>Note: Original documents substantiating the eligibility criteria all mentioned should be produced for verification during the above period. For outstation bidders who have difficulty in appearing in person original notary certified documents can be submitted by registered post. If the tenderers fail to submit original credential for verification, within the prescribed period as mentioned above those tenders will be summarily rejected.</b></p>
xix) Evaluation of Part-I (Technical bid)	Part-I evaluation will be done based on credentials submitted by the bidders for opening Part-II (Financial Bid). Inspection of eligible works will be carried out by Technical Evaluation Committee, if necessary.
xx) Date of opening of Financial Bids of qualified bidders	<b>Date and time will be notified later</b>
xxi) Minimum Bid/Offer validity period required	<b>120 Days from bid submission closing date</b>

**Note:** Corrigendum/ Addendum/ Amendments if any shall be hosted on IGCAR /CPPP websites only. Bidders are requested to visit the website regularly.



### III. Eligibility Criteria:

3. **The bidders who fulfill the following criteria shall be considered for participation.**

3.1. ***JOINT VENTURES ARE NOT ACCEPTED.***

3.2. Experience of having successfully completed works during the last seven years ending previous day of last date of submission of tender as follows:

Three similar completed works each costing not less than the amount equal to 40 % of the estimated cost put to tender,

[or]

Two similar completed works each costing not less than the amount equal to 60 % of the estimated cost put to tender,

[or]

One similar completed work of costing not less than the amount equal to 80 % of the Estimated cost under a single contract.

**“Similar work” shall mean that “Works related to stainless steel fabrication works.”**

**Note:**

- i. Eligible similar nature of works should have been executed in India only.
  - ii. Works got executed on back to back basis through another contractor will not be treated as eligible works.
  - iii. In case of the similar work done under private sector, the completion certificate shall be supported with the copies of TDS certificate along with Form – 26AS
  - iv. The value of completed works shall be brought to current costing level by enhancing the actual value of work at **simple rate of 7% per annum**, calculated from the date of completion to previous day of last date of submission of tender.
- 3.3. Should have an average annual financial turnover for works/goods/services of at least **50% of the estimated cost** during the immediate last three consecutive financial years **(FY ending 31/03/2024)**. Scanned copy of certificate duly audited by Registered Chartered Accountant to be uploaded.
- 3.4. Should not have incurred any loss (Profit after tax should be positive) in more than two years during the available last five consecutive financial years **(FY ending 31/03/2024)**. Details shall be furnished as per Proforma as specified in Form – A, duly supported by figures in balance sheet/profit and loss account for the last Five (5) years duly audited by Registered Chartered Accountant as submitted by the applicant to Income tax department.
- 3.5. Should have a Solvency of minimum **40%** of estimated cost obtained from competent authorities as per Proforma specified in Form – B. Scanned copy of solvency certificate shall be uploaded. The Solvency certificate should be valid on the last date of tender

submission or the solvency certificate shall not be older than one year from the last date of tender submission.

- 3.6. The bidding capacity of the contractor should be equal to or more than the estimated cost of the work put to tender. The bidding capacity shall be worked out by the following formula:

$$\text{Bidding Capacity} = [A \times N \times 1.5] - B$$

**Where,**

A = Maximum turnover on works/goods/services executed in any one year during the last seven years taking into account the completed as well as orders in progress. The value of completed orders shall be brought to current costing level by enhancing at a simple rate of 7% per annum.

N = Number of years prescribed for completion of work for which bids has been invited.

B = Value of existing commitments and ongoing orders to be completed during the period of completion of work for which bids have been invited.

4. **The bidder shall fill the details in attached excel sheets (Forms) as detailed below and supporting documents should be scanned from originals and uploaded within the period of bid submission by the bidder: -**

- 4.1. Financial Turnover as specified in Form-A along with balance sheet and Form-26AS.
- 4.2. Similar class of work completed as specified in Form – C during last seven years ending previous day of last date of submission.
- 4.3. List of works/projects under execution or awarded as specified in Form – D.
- 4.4. Details regarding structure and organization of the firm as per Proforma specified in Form – F.
- 4.5. Details regarding manpower possessed shall be furnished as per Proforma specified in Form – G. The details of trained and certified workmen proposed to be employed at the work site of the project should also be furnished.
- 4.6. Details of tools, machineries and equipment likely to be used / possessed for carrying out the work shall be furnished as per Proforma specified in Form – H.

5. **The bidder shall upload/submit the following documents and these documents should be scanned from originals and uploaded within the period of bid submission by the bidder**

- 5.1. GSTIN
- 5.2. PAN
- 5.3. Solvency certificate as per Proforma specified in Form – B.
- 5.4. Performance certificate of works referred to in Forms 'C' as per Proforma specified in Form – E.

- 5.5. Form of Agreement
- 5.6. Registration with EPFO and ESIC
- 5.7. Annexure – 2: Tender Acceptance Letter (Scanned copy to be uploaded and originals shall be submitted during the period of verification of credentials)
- 5.8. Annexure – 3: Undertaking by Contractor (Scanned copy to be uploaded and originals shall be submitted during the period of verification of credentials).
- 5.9. Annexure – 4: Declaration by Contractor (Scanned copy to be uploaded and originals shall be submitted during the period of verification of credentials).
- 6. **Even though a bidder may satisfy the above requirements, the bidder would be liable to disqualification/ debarment if the bidder has: -**
  - 6.1. Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria document.
  - 6.2. Any effort on the part of the bidder or his agent to exercise influence or to pressurize the employer. Canvassing of any kind is prohibited.
  - 6.3. Record of poor performance such as abandoning work, not properly completing the contract, or financial failures / weaknesses, etc.,
  - 6.4. Failed to produce originals of documents required for evaluation/qualification of the bidder. The Originals of the above Certificates shall be produced as and when called for. Irregularities if any observed will lead to rejection of the offer irrespective of the stage at which it is observed. Such bidders will be debarred for bidding in IGCAR as per applicable rule.
  - 6.5. Breached the code of integrity. Firms will be debarred for a period of two years if it is determined that the bidder has breached the code of integrity as per Rule 175 and Rule 151 of GFR 2017.
  - 6.6. Supply of sub-standard material, non-supply of material, abandonment of works, sub-standard quality of works, etc. Firms will be debarred for a period of two years for any actions or omissions by the bidder for other than violation of code of integrity, for the reason like supply of sub-standard material, non-supply of material, abandonment of works, sub-standard quality of works, etc.

#### **IV. Information and conditions:**

- 7. Information and instructions for tenderer posted on website shall form part of tender document for e-tendering mode.
- 8. Tender document is prepared in two parts viz. Part-I (Techno-commercial Bid) and Part-II (Financial Bid). The tender document consisting of plans, specifications, schedule of quantities of various types of items to be executed and set of terms and conditions of the contract to be complied with and other necessary documents. All the documents will form part of agreement after award of work to successful bidder.

9. The department reserves the right to accept/ reject any prospective application without assigning any reason thereof.

10. Tenderer to note that tenders with any condition including that of conditional rebate shall be rejected forthwith. However, tenders with unconditional rebate will be accepted.

11. Tenders will be received online up to time & date as mentioned in the NIT details above. Part-I will be opened on the time & date as mentioned in the NIT details above. The receipt of EMD will be checked first. If found in order, Part-I will be opened.

12. No modifications in the tender shall be allowed after opening Part –I (Techno-commercial Bid).

13. After opening of Part-I (Techno-commercial Bid) of tender, the online credentials submitted by the bidder will be verified with respect to their eligibility for the work and if required, visit to selected worksites of on-going/completed works of the bidders will be made to evaluate the capability of the bidders based on financial eligibility criteria, technical eligibility criteria, organizational structure of the bidder, etc., as stipulated in tender. Short listing of bidders shall be subject to thorough verification of bidder's credentials and inspection, if any, carried out. The Part-II (Financial Bid) of the qualified tenderers shall then be opened at notified date and time. Date of opening of Part-II will be intimated to all bidders through the CPP Portal website.

Note: During technical evaluation, missing documents if any, can be asked for submission.

14. The EMDs of the unsuccessful bidders will be returned without any interest only after the award of contract.

15. If any information furnished by the applicant is found to be incorrect at a later stage, they shall be liable to be debarred from tendering/ taking up works in IGCAR as per applicable rule. The department reserves the right to verify the particulars furnished by the applicant independently.

16. Tender will be kept valid for **120 (One Hundred and Twenty)** days from the last date of closing of online submission of tender.

17. If any tenderer withdraws his tender within the validity period and before award of work whichever is earlier or make 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 right or remedy, be at liberty to forfeit 50 % (Fifty Percent) of the Earnest Money absolutely. Further, the tenderer shall not be allowed to participate in the re-tendering process of the work.

18. The tentative makes have been specified in the tender document based on requirements & desired performance and detailed study of the technical parameters, manufacturing process, quality assurance/control & testing. The list is merely for guidance and bidders can prefer any other make which is meeting technical specifications given under Section- V, Schedule of Quantities given under Section-VIII of Tender document, shall confirm to the relevant BIS codes and other relevant codes. **In case of non-approved make(s), the bidder(s) shall suggest**

**such equivalent / alternate make / brand, meeting above-mentioned technical parameters, during pre-bid stage and before technical bid submission.**

19. The Financial Proposal/Commercial bid / BoQ format is provided as BoQ\_MHETF.xls along with this tender document at <https://eprocure.gov.in/eprocure/app>. Bidders are advised to download this BoQ\_ MHETF.xls as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. **All tendered rates shall be inclusive of all taxes and levies payable under respective statute. Bidder shall not tamper/modify downloaded Financial Bid template in any manner.** In case if the same is found to be tampered/modified in any manner, tender will be completely rejected and appropriate action will be taken by department. If it is desired 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. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in SKY BLUE colour. While selecting any of the cells a warning appears to mandatorily fill all such cells with any value, including "0" (ZERO) and if the bidder has quoted zero, then the rate of such item shall be treated as zero.

21. In case of successful tenderer, the tenderer is required to deposit an amount equal to 3% of the tendered and accepted value of the contract as irrevocable performance guarantee within a period of 15 days from the date of issue of Letter of Intent//Letter of Acceptance, in one of the following forms i.e. Deposit at Call Receipt/Bankers Cheque /Demand Draft or Fixed Deposit Receipt (FDR) of a scheduled Bank or an irrevocable bank guarantee bond of any scheduled bank in the prescribed form given in Annexure drawn in favour of **Pay & Accounts Officer, IGCAR, Kalpakkam**. Earnest Money deposited along with bid will be returned after receiving Performance Guarantee.

22. The letter of award of work will be issued only after the above said performance guarantee in any one of the prescribed form is received and accepted, failing which the Government shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the earnest money absolutely.

23. In addition to the above, the successful tenderer is required to remit security deposit amounting to 2.5 % [Two and half Percent] of the tendered and accepted value which shall be deducted at 2.5 % [Two and half Percent] of the gross amount of the bill from each running/final bill.

24. Bidder should have valid ESI & EPF registration and furnish the certificate of registration with EPFO and ESIC, for bidder's eligibility and qualification. The employer's contribution as per extant government orders shall be paid by the contractor which shall be reimbursed on production of documentary evidence. Hence the quoted rate shall not be inclusive of ESI & EPF employers contribution.

25. Bidders who do not have valid GST certificate as on the last date of online submission of the bid, are not eligible for this tender. Bidders shall submit an undertaking in the format

provided in this document. Any subsequent defaulting in payment of GST by the bidder, will also be scrutinized by the department, and may lead to rejection of the bid/cancellation of contract.

**26. The rates quoted by the tenderer in the schedule shall be inclusive of Goods and Service Tax (GST) @18% or any other Tax applicable. GST or any other tax applicable as per extant orders in respect of this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same.**

**27. Income Tax and TDS on GST as applicable from time to time, shall be deducted from each bill and deducted value will be remitted to the concerned tax authorities. Any other taxes /cess as per Government directives from time to time, shall be deducted from each bill paid to the contractor.**

28. Bidders shall not be under a declaration of ineligibility for tender quoting and fraudulent practice.

29. Documentary evidence of adequate financial standing shall be furnished.

30. Information regarding projects in hand, current litigation, orders regarding exclusion, expulsion or block entry if any to be furnished.

31. The capacity of the contractor to take up a new project under consideration in addition to his present commitments must be clearly brought out. He should also furnish the details referring as to have both physically and financially capable of executing this contract in the stipulated time as per milestones projected in addition to executing the other commitments. Evidence of adequacy of working capital for this contract, access to lines of credit and availability of other financial resources shall be furnished.

32. Copies of original documents detailing the constitution or legal status, place of regulation and principal place of business, written power of attorney of the regulatory of the bond to commit the bidders shall be submitted.

33. Tenderer may please intimate their Bank Account Number, IFSC code, Branch details so as to enable the department for payments through Bank.

34. Qualification and experience of key site management and technical personnel proposed for the contract shall be intimated.

35. Information regarding any litigation, current or during the last seven years, in which the bidder is involved, the parties concerned and disbursed amount, shall be submitted.

36. Proposals for sub-contracting components of the works including the qualification and experience of the identified sub-contractor in the relevant field shall be submitted.

37. The proposed methodology and program of execution, backed with equipment planning and deployment duly supported with broad calculation and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones shall be furnished.

38. The contractor shall be responsible for the strict observance and implementation of all the safety precautions & procedures and house-keeping practices. The contractor shall comply with all the instructions given by the Engineer from time to time on these aspects in this regard.

39. The contractor shall comply with provisions of Contract labour act -1970, Workmen's compensation act 1923, Minimum wages Act 1948, EPF Act, Gratuity Act and other labour laws as applicable.

The contractor should intimate the maximum number of workmen//manpower/staff employed / likely to be employed by him to the Engineer in Charge, before commencement of the work. In case the Contract labour act does not apply to the firm, it shall be intimated the Engineer in Charge before commencing the work. All the workers are to be paid applicable minimum wages and payment is to be made through Bank transfer.

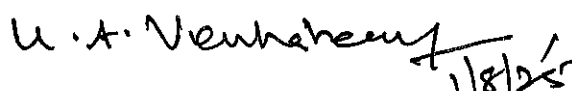
The contractor shall take workmen compensation policy for all workers employed by him, at site, for the subject work after the award of contract.

EPF, ESI and workmen's compensation policy contributions for all the workers on the part of employer in respect of this contract as applicable shall be paid by the contractor which shall be reimbursed on production of documentary evidence.

Records with respect to wages, PF, insurance, etc. of the workers shall be maintained & produced on demand for verification. In case of non-coverage by ESIC, the same to be informed to Engineer-in-Charge before commencing the work. In case of any failure to comply with these above provisions, Department shall be entitled to recover the same from the bills.

40. Eligible source countries: Any Bidder, from a country which shares a land border with India must comply to the Order (Public Procurement No.1) & Order (Public Procurement No. 2) issued by Public Procurement Division, Department of Expenditure, ministry of Finance, Government of India vide F. No. 6/18/2019-PPD dated 23.07.2020 and its addendum from time to time. Also, the bidder shall provide a undertaking as per Para – 9 of Annexure - 3. If such declaration or certificate is found to be false or to be incorrect at any time of submission of Bid or after awarding the Contract then, the said Contract will be terminated, along with such other actions as may be permissible under the relevant law of India.

41. **Chief Engineer, RpG, IGCAR**, 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 or to allot PARTs of the works to different agencies without assigning any reasons there for. All tenders, in which any of the tender conditions is not fulfilled, shall be summarily rejected.

  
11/8/25  
**Chief Engineer,  
RpG, IGCAR,  
For and on behalf of the President of India**



**GUIDELINES FOR E-TENDERING IN CPPP WEBSITE**

The instructions given in the annexure are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal. **As the instructions may change on CPP portal, the bidder shall follow the instructions given on the portal (<https://eprocure.gov.in/eprocure/app>) at the time of bidding.**

**1. Registration**

- 1.1. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:<https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online Bidder Enrolment” on the CPP Portal which is free of charge.
- 1.2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts. Bidders who have already registered and have valid user ID and password from <https://eprocure.gov.in>, need not to obtain fresh user ID and password for the purpose of participation in the present tender.
- 1.3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 1.4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra, etc.), with their profile.
- 1.5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- 1.6. Bidder then logs into the site through the secured log-in by entering their user ID / password and the password of the DSC /e-Token.

**2. Searching for Tender Documents**

- 2.1. The NIT & tender document consisting of specifications, drawings, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://eprocure.gov.in/eprocure/app>. (NIT can also be viewed from [www.igcar.gov.in](http://www.igcar.gov.in))
- 2.2. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords, etc., to search for a tender published on the CPP Portal.



- 2.3. Once the bidders have selected the tenders they are interested in, they may download the required documents/tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS/e- mail in case, there is any corrigendum issued to the tender document.
- 2.4. The bidder should make a note of the unique Tender ID assigned to each tender, in case, they want to obtain any clarification / help from the Help desk.

### 3. Preparation of Bids

- 3.1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 3.2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid. **The tender shall be summarily rejected if any Financial Bid information is disclosed along with EMD or Technical Bid (Part-I).**
- 3.3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 3.4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

**Note:** *My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.*

### 4. Submission of Bids

- 4.1. Bids shall be submitted online only at CPPP website : <https://eprocure.gov.in/eprocure/app>
- 4.2. Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

- 4.3. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 4.4. Bidder has to select the payment option as “offline” to pay the EMD as applicable and enter details of the instrument.
- 4.5. Bidder should prepare the EMD as per the instructions specified in the tender document as applicable. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 4.6. The agency shall download the pre bid clarification if any for the work and upload the same (scanned copy) duly signed and sealed. The revised documents (if any) shall be uploaded in e tender portal.
- 4.7. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the Financial Bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the SKY BLUE coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). **No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.**
- 4.8. Tenderers are advised to upload their documents well in advance, to avoid last minute rush on the server or complications in uploading. Department, in any case, shall not be held responsible for any type of difficulties during uploading the documents including server and technical problems whatsoever.
- 4.9. The server time (which is displayed on the bidders 'dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 4.10. Submission of the tender documents after the due date and time (including extended period) shall not be permitted.
- 4.11. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

- 4.12. Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 4.13. The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.
- 4.14. Intending Bidders are advised to visit this website regularly till closing date of submission to keep themselves updated as any change/ modification in the tender will be intimated through this website only by corrigendum / addendum/ amendment.
- 4.15. After submission of the bid, the bidder can re-submit revised bid any number of times before last date and time of submission of bid/document as notified.
- 4.16. In the case of bids in two / three stage system, if it is required to submit revised financial bid then it will be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier will become invalid.

## 5. **Assistance to Bidders**

- 5.1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 5.2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.
- 5.3. All bidders who have locked in (Not Guest Login) with their respective credentials in NIC & have downloaded tenders, must clicked on **FAVOURITE button**, so that the tender will move into their **FAVOURITE ZONE**, to get the uploaded corrigendum intimation from website.
- 5.4. Contact for assistance for registration and participation in e-Tendering:
  - i. 24x7 CPP Portal Helpdesk -(0120)4001 002, (0120)4001 005, (0120)6277 787
  - ii. Local Helpdesk - Shri. Bhushan / Shri. Mayur at (022) 25487480
  - iii. email at [support-eproc@nic.in](mailto:support-eproc@nic.in)

**TENDER ACCEPTANCE LETTER**  
(To be given on Company Letter Head)

Date: \_\_\_\_\_

To.  
The Chief Engineer  
RpG, IGCAR  
Kalpakkam – 603 102

**Sub: Acceptance of Terms & Conditions of Tender.**

**Tender Reference No:** IGC/RpG/FRPPCG/EDAD/EDAS/2024/33/01

**Name of Work :** Fabrication, Erection, Testing and Demonstration of Hot Cell Test Facility for Hot Cell/Head End Equipment Demonstration

Dear Sir,

1. I/We have downloaded/obtained the tender document(s) for the above mentioned Tender/Work from the web site(s) namely: <https://eprocure.gov.in/eprocure/app> and **Error! Hyperlink reference not valid.** as per your advertisement, given in the above mentioned website(s).
2. I/We hereby certify that I/we have read the entire terms and conditions of the tender documents (including Tender documents, annexure(s), schedule(s), corrigendum(s), Technical Specifications, Construction Safety Manual for Works Contract etc.), which will form part of the contract agreement and I/we shall abide hereby by the terms/conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organization have also been taken into consideration, while submitting this acceptance letter.
4. I/We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality /entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt.Department/ Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefor or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including actions as taken by Department.

Yours Faithfully,

**(Signature of the Bidder, with Official Seal)**

**UNDERTAKING TO BE SUBMITTED BY THE BIDDER ON THEIR LETTER HEAD  
DULY SIGNED AND SEALED WITH DATE**

(Scanned copy of the undertaking duly signed & sealed on letter head of the bidder to be uploaded at the time of submission of bid and original shall be submitted during the period of verification of originals).

Name of Work: Fabrication, Erection, Testing and Demonstration of Hot Cell Test Facility for Hot Cell/Head End Equipment Demonstration

NIT No. IGC/RpG/FRPPCG/EDAD/EDAS/2024/33/01

1. I/We hereby give an undertaking that, I/we have read and I/we am/are aware of all the classes and sub clauses of tender forms and I/we confirm that, I/we will abide by all the terms and conditions available in this tender document.

My Income tax Permanent Account Number (PAN) is .....

2. I/We give an undertaking that, I/We am/are not GST defaulter(s). I/We give an undertaking that, GST certificate (No. ....) is a valid certificate. I/We also give undertaking that I/We will pay GST in time during the complete period of the contract.

3. 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 IGCAR in future as per applicable rule. 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.

4. I / We have read and examined the Notice Inviting Tender, General Rules & Directions, Form of tender, Special Conditions, safety code for Works Contract, General Conditions of Contract, Schedule-F, Specifications, Scope of work, Schedule of construction, drawings, schedule of quantities and all other contents in the tender document for the work AND ACCORDINGLY, I / We, hereby submit credentials and other documents as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

5. I / We, hereby tender for 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 Conditions of Contract and with such materials as are provided for, by and in respects in accordance with, such conditions so far as applicable.

6. I / We have downloaded and gone through the pre-bid clarifications issued by the Department after close of sale of tenders and submitting tender accordingly.

7. I / We have gone through the “Additional Notes” sheet of financial bid/BOQ and submitting tender accordingly.

8. I / We have understood the entire scope of work and rates (inclusive of GST) quoted accordingly. We shall carry out the work as per Schedule of Quantities, technical specifications, drawing and complete the work within stipulated time to the entire satisfaction of the Department.

9. I/We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I/We certify that, this bidder is not from such a country or from such a country has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. I/We acknowledge the right of the department to terminate the Bidder for false declaration or certificate, along with such other actions as may be permissible under law.

10. I/We \_\_\_\_\_ (Name of bidder) undertake that, we meet the mandatory Local Content (LC) requirement for qualifying as 'Class I Local Supplier' as per the PP-LC Policy, against this tender. The percentage of Local Content in the bid is \_\_\_\_%.

11. I/ We do hereby give an undertaking that, none of my relative (s) as defined below is / are posted and/or working as AO/AAO or as an officer in any capacity in the grades of Scientific Officer-C/ Technical Officer-C and above in IGCAR (responsible for award and execution of contracts) as per details given in tender document. In case at any stage, it is found that the information given by me is false / incorrect, IGCAR shall have the absolute right to take any action as deemed fit without any prior intimation to me.

The near relatives for this purpose are defined as: 1) Members of a Hindu undivided family. 2) They are husband and wife. 3) The one is related to the other in the manner as father, mother, son(s), son's wife (Daughter-in-law), daughter(s), daughter's husband (Son-in-law), brother(s) and brother's wife, sister(s) and sister's husband (brother-in-law).

**Signature with seal & date**

## ANNEXURE – 4

### DECLARATION TO BE SUBMITTED BY THE BIDDER ON THEIR LETTER HEAD DULY SIGNED AND SEALED WITH DATE

(Scanned copy of the declaration duly signed & sealed on letter head of the bidder to be uploaded at the time of submission of bid and original shall be submitted during the period of verification of originals).

Name of Work: Fabrication, Erection, Testing and Demonstration of Hot Cell Test Facility for Hot Cell / Head End Equipment Demonstration.

NIT No. IGC/RpG/FRPPCG/EDAD/EDAS/2024/33/01

1. This is to certify that:
  - a. I /We have submitted the tenders in the Proforma as downloaded directly from the websites which are same as available in the website and there is no change in the format, number of pages etc.,
  - b. I /We have not made any modifications / corrections / additions etc., in the tender documents downloaded from website by me / us.
  - c. I /We have checked that no page is missing and all pages as per the index are available and that all pages of tender document submitted by us are clear and legible.
  - d. I /We have submitted requisite EMD in the prescribed form.
  - e. In case at later stage, it is noticed that there is any difference in my/ our tender documents with the original documents, IGCAR shall have the right to cancel the tender / work, forfeit the Earnest Money, Performance Guarantee & Security Deposit, take appropriate action as per the prevailing rules in force and IGCAR shall not be bound to pay any damages to me / us on this account.

I/We ..... (Name of the contractor/ agency) hereby declare compliance towards all the labour codes, legislations and statutory conditions or any other acts dealing with minimum wages, bonus, industrial relations, and social security and authorise **Indira Gandhi Centre for Atomic Research**, Department of Atomic Energy to recover any payment that arises due to failure to comply with any of the Labour Codes, legislations and statutory conditions or any other acts dealing with minimum wages, bonus, industrial relations and social security etc. and all other acts mentioned in the tender document.

Date: .....

(Dated Signature of  
Contractor with seal)

## FORM 'A': FINANCIAL INFORMATION

1. Financial Analysis – Details to be furnished duly supported by figures in balance sheet/profit and loss account for the last five years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department: (Copies to be attached)

Particulars	Financial Years				
	2019-20	2020-21	2021-22	2022-23	2023-24
(a) Gross Annual turnover on works/goods/ Services orders (Rupees in Lakhs).					
(b) Profit/ Loss (Rupees in Lakhs).					
(c) Certified by					
	Name and address of Chartered Accountant with Membership No.				

2. **Financial arrangements for carrying out the proposed work.**

Viz. line of credit, Working Capital, Liquid capital, Fixed deposits etc., - Upload scanned copy of statement

3. **The scanned copies of following certificates are to be uploaded.**

- A. Profit & Loss statement certified by CA & as submitted to income Tax Department.
- B. Solvency Certificate from banker's of applicant. Banker's certificate should be on letter head of the bank. In case of partnership firm, certificate should include names of all partners as recorded with the bank as said in the Form "B"
- C. GSTIN
- D. Permanent Account Number (PAN)

Name & Address of authorised Signatory

Note: Further details if required may be asked from the contractor after opening of the bids. There is no need to upload the entire voluminous balance sheet.



**(Scanned copy of Banker's letter head to be uploaded)**

**FORM 'B' - FORM OF BANKERS' CERTIFICATION FROM A SCHEDULED BANK**

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

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

(Signature)  
For the Bank

**Note:**

- (1) Banker's certificates should be on letter head of the bank.
- (2) In case of partnership firm, certificate should include names of all partners as recorded with the bank.

**FORM 'C' - DETAILS OF ALL WORKS OF SIMILAR CLASS COMPLETED IN ALL RESPECTS DURING THE LAST SEVEN YEARS ENDING PREVIOUS DAY OF LAST DATE OF SUBMISSION OF TENDER**

Sl. No.	Name of Work/ Project and location	Owner or Sponsoring Organization	Cost of Work in Lakhs of rupees	Date of Commencement as per Contract	Stipulated Date of Completion	Actual Date of Completion	Litigation/ Arbitration cases pending/in progress with details*	Name and address/ telephone number of officer to whom reference may be made	Remarks
1	2	3	4	5	6	7	8	9	10

**Note:** \*Indicate gross amount claimed and amount awarded by the Arbitrator

Notes:

- Applicant may submit separate form for giving details of work (completed) for each year to fill up the details as above. Separate sheets if any shall be numbered in sequence.
- The scanned copies of the work orders for each work along with completion certificate shall be uploaded.
- Certified that the above list of works is complete and no work has been left-out and the information given is correct to the best of my knowledge and belief.

Name & Address of authorised Signatory

Signature of participant(s)

**FORM 'D' - PROJECTS UNDER EXECUTION OR AWARDED**

Sl. No	Name of work/ project and location	Owner or sponsoring Organization	Cost of work (Rupees in Lakhs)	Date of commence-ment as per contract	Stipulated date of completion	Up to date percentage progress of work	Slow progress if any, and reasons thereof	Name and Address/ Telephone number of officer to whom reference may be made	Remarks
1	2	3	4	5	6	7	8	9	10

Certified that the above list of works is complete and no work has been left out and that the information given is correct to my knowledge and belief.

Name and address of authorised Signatory

Signature of the Bidder (s)

**Scanned copy of certificates containing following information from the clients to be uploaded**

**FORM 'E' - PERFORMANCE REPORT OF WORKS REFERRED TO IN FORMS "C"**  
(Separate certificate for each work/ Project)

- a) Name of work/ project & location
- b) Agreement No.
- c) Name of Contractor
- d) Estimated cost
- e) Tendered cost
- f) Completed cost
- g) Date of start
- h) Date of completion
  - a. Stipulated date of completion
  - b. Actual date of completion
- i) Amount of compensation levied for delayed completion, if any
- j) Amount of reduced rate items, if any
- k) Performance report
  - Quality of work : Very Good/Good/Fair/Poor
  - Financial Soundness : Very Good/Good/Fair/Poor
  - Technical Proficiency : Very Good/Good/Fair/Poor
  - Resourcefulness : Very Good/Good/Fair/Poor
  - General Behavior : Very Good/Good/Fair/Poor
  - Time Consciousness : Very Good/Good/Fair/Poor

Dated:

**Executive Engineer or Equivalent**  
**Signature with Seal**

## FORM 'F' - STRUCTURE AND ORGANISATION

1. Name & Postal Address of the Applicant:

--

2. Telephone no. /Telex No. /Fax No.

--

3. Legal status of the Applicant (Please tick and attach attested copies of original document defining the legal status)

- a. An individual: (b) A proprietary firm: (c) A firm in partnership  
(d) A limited company or corporation

--

4. Particulars of registration with various Government Bodies (attach attested photocopy)

Dept./Organisation & Place of registration	Registration No.

5. Names and Titles of Directors & Officers with designation proposed to be concerned with this work.

--

6. Designation of individuals authorised to act for the organisation.

--

7. Was the Applicant ever required to suspend work for a period of more than six months continuously after he commenced the work? If so, give the name of the project and reasons of suspension of work.

--

8. Has the Applicant, or any constituent partner in case of partnership firm, ever been abandoned the awarded work before its completion? If so, give the name of the project and reasons for abandonment.

--

9. Has the Applicant or any constituent partner in case of partnership firm, ever been debarred/ black listed for tendering in any organisation at any time? If so, give details.

--

10. Has the Applicant or any constituent partner in case of partnership firm, ever been convicted by the court of law? If so, give details.

--

11. In which fields of Engineering Construction the Applicant has specialization and interest?

--

12. Any other information considered necessary but not included above.

--

Signature of the Bidder (s)

Name and Address of authorised Signatory

**FORM 'G' - DETAILS OF TECHNICAL & ADMINISTRATIVE PERSONNEL  
TO BE EMPLOYED FOR THE WORK**

Sl. No	Designation	Total Number	Number available for this work	Name	Qualifications	Professional experience and details of work carried out	How these would be involved in this work	Remarks
1	2	3	4	5	6	7	8	9

Signature of the Bidder (s)

Name and Address of authorised Signatory

**FORM 'H' - DETAILS OF TOOLS, MACHINERIES AND EQUIPMENT LIKELY TO BE USED IN CARRYING OUT THE WORK**

Sl. No	Name of equipment/Plant	Nos.	Capacity or Type & make	Age	Condition	Ownership Status				Current location	Remarks
						Presently owned	Leased	To be purchased	Proposed to be hired		
1	2	3	4	5	6	7	8	9	10	11	12

Signature of the Bidder (s)

Name and Address of authorised Signatory



### FORM – 'I' : BIDDING CAPACITY FORM

Maximum turnover in works/goods/service orders executed in any one year during the last five years taking into account the completed as well as works in progress. The value shall be brought to current costing level by enhancing at a simple rate of 7% per annum = (A)	
Year in which maximum turnover occurred	
Is audit report for the same is attached.(Yes/No)	
Number of years prescribed for completion of work for which bids has been invited = (N) N = completion period in months / 12	
Value of existing commitments and ongoing works to be completed during the period of completion of works for which bids have been invited = (B)	
Bidding capacity = $(A \times N \times 1.5) - B$	

**Signature of Bidder(s)**

### **FORM - J : CHECK LIST**

BEFORE SUBMITTING THE TENDER, THE TENDERER MUST CHECK THE FOLLOWING:  
Say 'Yes' or 'No' or 'Not Applicable'

1. Have you uploaded the mandatory scanned documents such as Demand Draft or Banker's Cheque or Fixed Deposit Receipts of any Scheduled Bank towards EMD? :
2. Have you filled schedule of quantities and unit rates in the Price bid? :
3. Do you agree to all the conditions of contract in to (Wherever you differ you should bring it out in the covering letter) :
4. Have you included all the necessary equipment instruments tools/tackles & labour, storage space etc. for completion of the job, whether specifically mentioned or not? :
5. (This is applicable for electrical contracts only)
  - (i) Are you registered with Tamilnadu State / or any other State Electrical Inspectorate? :
  - (ii) If so, is scanned copy of the registration certificate is uploaded ? :
6. Have you uploaded all the required documents (Annexures 2-4, Forms A-I, Certificates, eligibility criteria documents etc) :  
:

**(This form also should to be uploaded with the bid documents)**

Address of Tenderer .....  
.....  
.....

Phone number -----

**Signature of Bidder(s)**

## **SECTION-II**

## **SECTION-IIA GENERAL RULES & DIRECTIONS**

**SECTION – IIA: GENERAL RULES AND DIRECTIONS FOR GUIDANCE OF THE  
CONTRACTOR & FORM OF AGREEMENT**

Government of India  
Department of Atomic Energy  
Indira Gandhi Centre for Atomic Research  
Reprocessing Group  
Kalpakkam

ITEM RATE TENDER & CONTRACT FOR WORKS

**General Rules and Directions**

1. All works proposed for execution by contract will be notified in a form of invitation to tender posted and signed by Chief Engineer, RpG.

This form will state the work to be carried out as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be submitted with the tender, and the amounts of Security Deposit to be deposited by the successful tenderer and the percentage, if any, to be deducted from the bills, Performance Security to be deposited before commencement of the work. Copies of the specifications, procedures and any other documents required in connection with the work designed for the purpose of identifications by the Chief Engineer, RpG shall also be open for inspection by the contractor at the office of the Chief Engineer, RpG during office hours.

2. In the event of the tender being submitted by a firm, it must be signed separately by each member, thereof, or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power-of-attorney authorizing him to do so, such power of attorney to be produced with the tender and it must disclose that the firm is duly registered under the Indian Partnership Act.

3. Receipts for payments made on account of work when executed by a firm must also be signed by the several partners. Except where the contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners or by some other person having due authority to give effectual receipts for the firm.

4. Any person, who submits a tender, shall fill up the usual printed form, stating at what rate he is willing to undertake each item of the work. Tenders, which proposes any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other condition of any sort including conditional rebates, will be summarily rejected. However, tenders with unconditional rebate(s) is acceptable. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tenders shall have the name and number of the works to which they refer, written on the envelopes.

5. The rate(s) or amount(s) must be quoted in Indian rupees both in words and figures and shall remain firm throughout the period of the contract or till the work is completed whichever is later. The rate(s) and / or amount must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paise and considering more than fifty paise as rupee one.
6. The Chief Engineer, RpG / Engineer – in-charge, or his duly authorized assistant will open tenders in the presence of any intending tenderers who may be present at the time, and will enter the amounts of the several tenders in a comparative Statement in a suitable form. In the event of a tender being accepted, a receipt of earnest money forwarded therewith shall thereupon be given to the tenderer who shall thereupon for the purpose of identifications sign copies of the specifications and other documents mentioned in Rule 1. In the event of a tender being rejected, the earnest money forwarded with such unaccepted tender shall thereupon be returned to the tenderer without any interest.
7. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest tender or any other tender.
8. The receipt of an accountant or clerk for any money paid by the tenderer will not be considered as an acknowledgment of payment to the Chief Engineer, RpG / Engineer –in-charge, and the contractor shall be responsible for seeing that he procures a receipt signed by the Chief Engineer, RpG or by Accounts Officer or by a duly authorized cashier.
9. The memorandum of work tendered for and the schedule of materials to be supplied by the Indira Gandhi Centre for Atomic Research and their issue rates shall be filled in and completed in the office of the Chief Engineer, RpG before the tender form is issued. If a form is issued to an intending tenderer without having been so filled in and completed, he shall request the office to have this done before he completes and delivers his tender.
10. The tenderers shall sign a declaration under the Officials Secret Act 1923, for maintaining secrecy of the tender documents or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.
11. Rates quoted by the contractor in Item Rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words, However, if discrepancy is found the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct.
12. If the amount of an Item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words, then the rates quoted by the contractor in words shall be taken as correct and not the amount.

13. In case of any tender where unit rate of any item / items appear unrealistic, such tender will be considered as unbalanced and incase the tenderer is unable to provide satisfactory explanation, such a tender is liable to be disqualified and rejected.

14. Where the rates quoted by the contractor in figures and in words tallies, but the amount is not worked out correctly, the rates quoted by the contractor shall be taken as correct and not the amount.

15. In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s) and amount blank, the rate for such item(s) will be considered as zero & work will be required to be executed accordingly.

However, if a tenderer quotes nil rates against each item in item rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

16. If it is found that the tender is not submitted in proper manner or contains too many corrections and/or absurd rates, or amount, it will be open for the Government to take suitable disciplinary action against the Contractor.

17. The contractor shall give a list of both gazetted and non-gazetted IGCAR employees related to him.

18. The tender shall be valid for a minimum period of **120 (One Hundred Twenty)** days from the date of closing of submission of the bid.

**SECTION-IIB**  
**ITEM RATE TENDER FOR WORKS**



## SECTION: IIB ITEM RATE TENDER FOR WORKS

I/We have examined the notice inviting e-tender, Schedule A, B, C, D, E & F, Specifications applicable, procedures General Rules & Directions, Conditions of contract, clauses of contract, Special Conditions, Schedule of Quantities and rates & 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 in the underwritten memorandum for the President of India within the time specified in such memorandum at the rates specified therein, and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1, hereof and in Clause-11 of the conditions of contract and with such materials as are provided for, by and in all respects in accordance with, such conditions so far as applicable.

### MEMORANDUM

- a. General Description : **Fabrication, Erection, Testing and Demonstration of Hot Cell Test Facility for Hot Cell / Head End Equipment Demonstration**
- b. Estimated cost : **Rs. 20,32,203 (Inclusive of 18% GST)**
- c. Earnest money : **Rs. 40,644/-**
- d. Security Deposit : **2.5 % of the tendered value of the work.**
- e. Performance Security : **3% of the tendered value of the work.**

The security deposit equal to 2.5% (Two point five percent) of the contract value will be collected by deductions from the running bills of the contractor at the rate of 2.5% of the gross amount of the bill. The security deposit will also be accepted in the form of Government Securities or Fixed Deposit Receipt of Scheduled Banks or State Bank of India. The security deposit as deducted above can be released against bank guarantee issued by a scheduled bank, on its accumulations to a minimum of Rs. 5 lakhs subject to the condition that amount of such bank guarantee, except last one shall not be less than Rs. 5 lakhs.

The performance security equal to 3% (Three percent) of the contract value is required to be deposited within 15 days from the date of issue of LOI, in the form of fixed deposit receipts or Guarantee bonds of any Scheduled Bank or State Bank of India.

The Security Deposit / performance Security shall be endorsed in favour of the Pay and Accounts Officer, IGCAR, Kalpakkam – 603102.

- a. Time allowed for the work: **04 Month(s) from 15<sup>th</sup> day after the date of written order to commence the work.**

Should this tender be accepted in whole or in part,

I/We, hereby agree to abide by and fulfill all the terms and provisions of the said conditions annexed hereto and all terms and provisions contained in notice inviting tenders so far as applicable and/or in default thereof to forfeit and pay to the President of India or his successor in office, the sum of money mentioned in the said conditions.

I/We agree to keep the tender open for 120 days from the date of closing of submission of the bid & not to make any modification in its terms & conditions.

A EMD shall be submitted in the prescribed form for earnest money.

I/We, hereby agree to abide by and fulfill all the terms and provisions of the said conditions annexed hereto and all terms and provisions contained in notice inviting tenders so far as applicable and/or in default thereof to forfeit and pay to the President of India or his successor in office, the sum of money mentioned in the said conditions.

A copy of Earnest Money Deposit / EMD of a Scheduled Bank Guaranteed by the Reserve Bank of India (or) Demand draft of a scheduled bank (or) by Banker's Cheque of a scheduled bank (or) fixed deposit receipt of a scheduled bank If I/We fail to furnish the prescribed performance guarantee within the prescribed period, I/We agree that the said President 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 the work specified in the above Memorandum, I/We agree that the said President or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said performance guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provisions contained in Clause 12.2 & 12.3 of the GCC.

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.

## **DECLARATION**

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.

Dated the .....day of 2025

\*SIGNATURE OF TENDERER (S)

+ 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.....)

The letters referred to below shall form part of this contract agreement: -

- a.
- b.
- c.

Dated the .....day of 2025

For & on behalf of the President of India  
Signatures.....  
Designation.....

# **SECTION-III**

## **SPECIAL CONDITIONS OF CONTRACT**

## SECTION III: SPECIAL CONDITIONS OF CONTRACT

### 1. GENERAL

These special instructions supplement the general conditions of contract and shall be considered as part of the contract document wherever these special instructions are at variance with the corresponding conditions, stipulations and specifications elsewhere in the tender document, these special instructions shall prevail.

### 2. LOCATION

The site of work is at RPDB Building (RGAS Building), RpG, IGCAR, Kalpakkam herein after referred to as 'SITE' is located at Kalpakkam in the State of Tamil Nadu about 90 kms south of Chennai along the seashore and 8 km south of Mahabalipuram. The site is accessible by Road from Chennai via Chengalpattu and also via Mahabalipuram. Nearest broad gauge Railway Station is Chengalpattu about 30 km from Site. The proposed site for this work is near Sadhurangapattinam.

### 3. SITE INVESTIGATION

The contractor acknowledge that he has satisfied himself as to the nature and location of the work, local conditions, particularly those bearing upon transportation, availability of labour and uncertainties of weather, or similar physical conditions of the site and all other matters upon which information is reasonably obtainable and which can in any way affect the work or his cost thereof under this contract. Any failure of the contractor to acquaint himself with all the available information concerning these conditions will not relieve him from responsibility for estimating properly the difficulty or cost of successfully performing the work. Non-familiarity with the site conditions will not be considered a reason either for extra claims or for not carrying out the work in strict conformity. The contractor shall note that any clarifications regarding specifications, conditions of contract, schedule of quantities, scope of work, etc., are required; he should contact the office of the Engineer-in-charge. No claim on account of ambiguity in any respect will be entertained.

### 4. SCOPE OF WORK

The scope of work is described in Section- V, Scope of Work & Technical specification. The work to be done under those specifications consists of furnishing all labour and services and performing all work (except work, equipment and materials specified to be performed or furnished by the Department) required to execute the work specified in the tender, and all other work required to satisfactorily complete in strict accordance with the specifications. It is intended that the specifications include everything requisite and necessary to finish the entire work properly. Notwithstanding the fact that every item necessarily involved may not be specifically mentioned. All work when finished shall be delivered in a complete and undamaged state.

### 5. TIME PERIOD OF COMPLETION

The time period allowed for the contractor shall be **04 months** in all respect & shall be reckoned from the 15<sup>th</sup> day of date of placement of the work order.

The Tenderer shall furnish satisfactory evidence that he has a true appreciation of the scope of work, the ability and experience to perform various classes of works specified

and he has sufficient capital to enable him to execute the work successfully and in time. No Tender will be considered unless Chief Engineer, RpG is satisfied about his capacity to do the work.

## **6. PAST EXPERIENCES**

Contractors shall submit along with the tender details of their past experience in execution of stainless steel fabrication and erection including value of each work and name of clients, place of execution and other relevant information.

## **7. CONTRACTOR'S PLANT & EQUIPMENT - TOOLS & TACKLES:**

All Tools, machinery, welding equipment, scaffolding materials and handling equipment required for the work including skilled / unskilled / semi-skilled manpower required to complete the item of work as mentioned in the SOQR are scope of contractor. Any specific special tools and tackles if the contractor feels will help in speedy execution of works are in the scope of the contractor.

## **8. WITHDRAWAL OF TENDER**

The bid for the works shall remain open for acceptance for a period of 120 (One Hundred Twenty) days from the date of closing of submission of the bid.

If any tenderer withdraws his tender within the validity period or makes any modification 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% (fifty percent) of this earnest money absolutely. Further the tenderer shall not be allowed to participate in the re-tendering process of the works for the period of one year.

## **9. CONDITIONAL TENDER WITH CONDITIONAL REBATE SHALL BE SUMMARILY REJECTED**

Any person who submits a tender shall fill up the usual prescribed form, stating at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender or in the time allowed for carrying out the work, or which contain any other condition of any sort including conditional rebate will be summarily rejected. The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paisa and considering more than fifty paisa as rupee one.

## **10. GOVERNMENT LABOUR LAWS**

The contractor has to follow strictly the Government labour acts which are in force at present and all necessary facilities and arrangements for labour will have to be made by the contractor.

## **11. GOVERNMENT LABOUR ACTS/LAWS:**

The contractor has to strictly enforce the government labour acts AS PER THE CLAUSE 19 OF GCC (section IV) which are in force at present and all necessary facilities and arrangements for labour will have to be made by the contractor.

The contractor has to follow strictly the Government Labour Acts, which are in force at present and introduced from time to time, such as, Acts enforced by Regional Provident Fund Commissioner. Directorate of ESIS and Enforcement Officer of Contract Labour Act, and all necessary arrangement for labour, security insurance will have to be made by the Contactor at his own cost.

## **12. STATUTORY BENEFIT TO THE PERSONNEL EMPLOYEE:**

The Contractor shall be responsible for providing all statutory benefit to the personnel employed by him like minimum wages, bonus, EPF, ESI etc., as applicable and comply with all the Labour Codes, legislation and statutory conditions or any other acts dealing with minimum wages, bonus, industrial relations and social security.

## **13. LICENSE TO EMPLOY LABOUR**

The CONTRACTOR shall get a license from the competent authority of the area where the work is undertaken under sub section 12(i) of the contract labour (Regulation & Abolition) Act, 1970 and the rules and orders there under from time to time, in case twenty or more workmen are employed by him directly before he undertake execution of the job. This should strictly adhere as per General Conditions of Contract Sec IV with latest amendments.

## **14. SECURITY REGULATIONS:**

The contractor has to follow strictly the security regulations prevailing in at Kalpakkam plant site with respect to working hours, movement of materials and entry permits.

The security regulations in vogue are broadly as under:

- (i) The contractor shall make applications to the Engineer-in-charge for issue of entry permits or photo passes for casual labourers / regular supervisory / Technical staff to be deployed for the works inside the plant site. On recommendation by the Engineer-in-charge, the contractor shall collect the gate pass from the security Department.
- (ii) No persons other than those holding photo passes or temporary entry permit shall be normally be permitted to the enter work site. In case, the contractor desires to bring any other personnel to the work site he shall obtain permission of Security Department well in advance through Engineer-in-charge.
- (iii) All materials brought by the contractor to the work site shall have to be declared / checked at the security gate. Similarly, no materials shall be taken out from the Department premises without proper gate pass, which will be issued by the Engineer-in-charge to the contractors on written request. It is to be noted that loading of contractors materials in vehicles and trucks shall be done in the presence of Security personal.
- (iv) For working on Sundays, Holidays and for working late hours the contractor will have to make application to the Security Department and keep them informed well in advance through Engineer-in-charge.

- (v) The contractor staff or labourers has to give his/her bio-data in the standard Performa to the Department for obtaining the entry pass and normally such an entry pass will be issued only after a thorough verification of the bio-data.
- (vi) It will be the responsibility of the contractor to produce police clearance certificate for himself and his employees / workers before seeking permission for entry into Kalpakkam plant site.
- (vii) The contractor shall employ labourers only after due verification of their credentials and track of past record.
- (viii) Police verification certificate submitted with respect to an individual will be treated valid for one years from the date of issue. Original police verification certificate should be attached to the initial application for temporary identity card and in case of further renewals within three months a Xerox copy of the same can be attached.
- (ix) Representatives of firms who are required to visit Kalpakkam site for supplying materials will not be issued with identity cards, they will be given temporary entry permit.
- (x) The Department will make every possible arrangement to minimize the inconvenience to the contractor from security point of view. However; the department will not entrain any compensation caused due to the stringent security rules.
- (xi) Contractor shall make his own arrangement for transportation of his laborers into the site and within the site.

## **15. ADDITIONAL SECURITY RULES**

The contractors may please note that the identify cards shall have the photo's of the personnel concerned for control of entry of personnel and all similar matters. The contractor and his personnel shall abide by all security measures imposed by the Engineer in charge or his duly authorised representative from time to time.

## **16. CONFIDENTIALITY**

The CONTRACTOR, his employees and agents shall not disclose to anyone except to the limited extend required for the purpose of execution of the contractor, any information or drawings, furnished, to him by the engineer. All drawings reports and other information's prepared by the CONTRACTOR / by Engineer or jointly by both for the execution of the contractor shall not be disclosed without the prior approval of the Engineer. No photographs of the works or plant within the site premises shall be taken without the prior approval of Engineer -In-Charge.

## **17. EMPLOYEES:**

It is to be ensured that all the employee and workers employed by the contractor are law abiding citizens, with clean record. Anti-social elements rowdies and persons with adverse police records should not be employed as far as possible on the works at Kalpakkam.

It is to be ensured by the contractor that the correct personnel particulars and addresses of the employees and workers employed by the contractor are available with them.



## **18. ACCOMMODATION:**

The Engineer in charge will not provide any quarters for the accommodation of contractor's personnel. No land will be made available within the project area for the construction of staff and labour quarters for the contractor. The contractors will make his own arrangement for leasing suitable land for housing his personnel and the cost on this account should be included in his rate structures. The contractor shall make his own arrangements at his cost for water supply, sanitation, access roads, electrification and general cleanliness of his camps, as required by labour laws in force. All arrangements regarding sanitation, water supply, electric supply and cleanliness shall be tidy.

## **19. PLAN OF OPERATION & CO-OPERATION:**

The contractor for work under the contract shall be required to co-ordinate his work with that of other contractors performing work at the site and also in the same area. So far as practicable all contractor shall have equal rights to use all roads, ground and facilities made available for the joint use of the contractors. In case of disagreement regarding such use, the decision of the Engineer shall govern.

The contractor shall afford all facilities and give complete co-operation for the execution of various other works, if required to be carried out simultaneously by other agencies while his own work is in progress. The co-ordination will be effected in consultation with the Engineer-in-Charge of the work. Other contractors are also likely to be authorized by the owners to work in the same area during the work.

It is envisaged that other works such as installation of sanitary, water supply and electrical arrangements, equipment, piping and other works not covered in this contract may have to be carried out by the other agencies in the completed/partial completed portion of the building along with this work. The tenderer shall permit such works to be carried out without any hindrance and fully co-ordinate his activities with other agencies. No compensation or claim for such contingencies shall be entertained.

All damages to walls or structures shall be made good at contractor's expense and brought back to original shape, colour and finish.

## **20. MAINTENANCE OF CLEAN SITE CONDITION**

During the work the contractor shall keep the entire site in neat and tidy conditions by proper housekeeping & stacking of materials at the site and will remove all debris and waste materials from the site regularly. Accumulations and piling of materials /debris/tool boxes will not be permitted except only at the location approved for this purpose. The service lines viz. water, air, power cable, welding lead etc. shall not run on the floor but shall be routed by providing hangers on the walls and ceiling.

## **21. PROGRAMME OF WORK**

The contractor shall submit to the Engineer-in-charge each month a detailed list by trade classification of manpower employed during the report period.

## **22. CASH FLOW ESTIMATE**

The contractor shall furnish to the Engineer-in-charge the detailed cash flow estimate in respect of the works within 2 months of the awards of the contractor. This shall be up-dated and submitted every two (2) months thereafter till the completion of the works.

## **23. PROGRESS AND COMPLETION OF WORK**

The entire work shall be completed within the period as specified in NIT / Schedule-F of the Tender document from fifteenth day after the date on which the written order to commence the work is issued.

The contractor shall furnish sufficient forces and shall work such hours, including early morning shifts and overtime operations, as may be necessary to ensure the progress of the work in accordance with the attached schedule and its completion within the time specified in this contract. If in the opinion of the Engineer, the contractor refuses or fails to comply with his obligations set forth in the preceding sentence, the contractor shall take such steps as may be necessary to improve this progress and the Engineer may require him to increase the number of shifts and/or overtime operations, days of work, size of forces and/or the amount of erection equipment. All such action taken by the contractor pursuant to the direction of the Engineer shall be without additional cost to the department.

Failure of the contractor to meet his obligations set-forth in the paragraph above, under this provision shall be ground for determination by the Engineer that the contractor is not progress the work with such diligence as will ensure completion within the time specified. Upon such determination as per clause 3(a) & 3(b) of GCC (Section IV) the Engineer-In-Charge shall take necessary steps to increase the labour forces, etc., as he deems fit to ensure completion of works in accordance with the schedule at the contractor's expense.

It shall be the responsibility of the contractor to mark the actual progress of the works in progress report from at the end of every two weeks, and the calculated progress for the job as a whole, and shall submit three copies to the Engineer In- Charge.

The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall be deemed to be of the essence of the contract on the part of the contractor and shall be reckoned from the fifteenth day of the date on which the work order to commence the work is issued to the contractor and all work shall be completed in accordance with the schedule attached to the specifications. Monsoon or inclement weather will not be considered reason for extension of time. The contractor shall submit a time schedule keeping the phasing of the work generally in line with the schedule for the approval of the Engineer and such an approved programme shall be strictly adhered to by the contractor.

## **24. SCHEDULE OF QUANTITIES**

The schedule of quantities is to be read in conjunction with these special conditions, general conditions of contract, specifications.

## **25. SCHEDULE OF RATES**

Rates quoted shall include labour, transport, taxes, duties and contractor's supervision, overheads and profit, general risks of liabilities and all that is necessary for the satisfactory completion of the job. The rates quoted by the tenderer in the schedule shall be inclusive of GST. GST on contract turnover as levied by the local state Government authorities and or other duties levied by the Government or other public bodies.

## **26. TENDER RATES INCLUSIVE OF GST**

The quoted Rates shall be inclusive of GST and shall be payable by the contractor and IGCAR will not entertain any claim what so ever in this respect.

## **27. EMERGENCY PREPAREDNESS**

It may be noted that the Government as a part of the emergency preparedness for any eventual site emergency civil defense which/would require the entire or part of the contractors personnel and labour to be evacuated from the site without any advance notice as and when deemed necessary. This may result in temporary stoppages of work with possible loss of time and productivity not likely to exceed 1 day. This aspect shall be taken into account while quoting their rates and the department will not entertain any claim/compensation on this account. However, the department may grant suitable extension of time only.

## **28. RUNNING ACCOUNT BILL**

CONTRACTOR shall submit bills in computerized format with detailed measurements as per clause 6 and 6A of GCC in section IV. Payment will be made every month or as per the decision of Engineer In charge based on the work progresses as per clause 7 of GCC in section IV.

## **29. ASSISTANCE FOR TAKING MEASUREMENTS:**

The contractor shall provide necessary labour and assistance to the Engineer for checking connected with the work and also for taking measurement for finished works at no extra cost to the Government.

## **30. TERMS OF PAYMENT:**

The Engineer will pay the contractor for the work completed in the following manner:

Payment will be released **monthly or as per the decision of Engineer In charge** based on the work progresses. Running measurements shall be taken jointly by the Engineer and the Contractor from time to time. Measurement will be taken only after satisfactory completion of each item of work specified therein and duly certified by the Engineer.

## **31. DEDUCTION FROM PAYMENTS:**

For all gross payment towards technical assistance / fabrication and erection of carbon steel piping due to the Contractor, deduction towards Security Deposit (SD) and Income Tax, GST shall be made at specified rates and terms. Besides this, all recoveries towards material issued, service rendered on chargeable basis, equipments hired, and towards claims damages if any shall also be made before release of payments.

## **32. DEDUCTION OF INCOME TAX & GST:**

As per Section 194 (C) of Income Tax Act, as amended by letter No. 275/9£, 72/9- TJ (Circular No.86) dated 19-5-1972 received from Ministry of Finance (Department of

Revenue and Insurance), New Delhi, the Income Tax @ 2% (two percent only) and 2.5% (Two-point five percent only) surcharge and 2% education cess on IT and surcharge on income tax as applicable on the gross value of the work done will be recovered from the bills. TDS @ 2% under GST of gross value of work done shall be deducted from each bill paid to the contractor. Any other taxes /cess as per Government directives shall be deducted from each bill paid to the contractor, from time to time. A certificate for the amount so recovered will be issued by the Department to the contractor.

### **33. DEDUCTION OF WATER & ELECTRICITY CHARGES:**

As the requirement of water & electricity for this work is insignificant, Department will not provide a separate water supply point & electricity for the tendered work and hence **no water & electricity charges will be recovered**. In case of any requirement of separate water & electricity, the contractor shall make his own arrangement.

34. Contractor has to follow strictly the labour acts which are in force from time to time. Any payment required to be made as per rules and regulations by Contractor to his employee as per the Contractor compensation policy.
35. Any damage / breakage of equipment belongs to Department (IGCAR) at working premises due to negligence / improper handling, by contract workers shall be made operational by the Contractor on his own cost.
36. Contractor shall not assign (or) sublet the job without the written approval of the Officer-In-charge.
37. The Engineer-In-charge reserves the right to delete any portions of the work before/after the contract is awarded or accept all or portions of the bids.
38. Cost of damages caused due to bad workmanship shall be recovered from the contractor.
39. Officer-In-charge will have the right to withdraw the work permit for any of the contract workmen for reasons of misconduct, violations of safety and Fire Rules etc.

### **40. MEDICAL FACILITY:**

The contractor shall arrange adequate facilities for Medical Aid Treatment for his staff and workers engaged on this work, subject to availability, the contractor may be permitted to use, free of charge the IGCAR First Aid Facility. All the contractor employees are to submit medical fitness certificate from a Registered Medical **practitioner to work at construction plants/elevated platforms etc.**

41. IGCAR, Kalpakkam shall not be responsible to any injury sustained to any contract personnel during the course of the work in RTC/ General shift.
42. During the execution of the contract the contractor will be fully liable to compensate for any loss, damage or destruction of 'work' structures, plants and machineries, personal property etc., including third party risk arising due to causes attributable to contractor as may be decided by the Officer-In-charge, whose decision in this regard shall be final.

**SECTION-IV**

**GENERAL CONDITIONS OF THE  
CONTRACT AND SAFETY GUIDE FOR  
WORKS CONTRACT**

## **SECTION – IV**

**Tender No: IGC/RpG/FRPPCG/EDAD/EDAS/2024/33/01**

**Name of work: Fabrication, Erection, Testing and Demonstration of Hot Cell Test Facility for Hot Cell / Head End Equipment Demonstration**

### **GENERAL CONDITIONS OF THE CONTRACT**

The General Conditions of Contract, Safety Guide for Works Contract, Procedures for safe working at heights and Electrical Safety vide document ref. no. RpG/CMC/GCC/03/2024 (Page 1 of 91 to Page 91 of 91) were downloaded by me / us and I / we have gone through thoroughly and understood the conditions stipulated there and will abide by the same.

I / We offer my / our signature in acceptance of the same and this will form part of the tender document.

Signature of the bidder with Seal

## PROFORMA OF SCHEDULES

### SCHEDULE 'A'

#### Schedule of Quantities

1) Refer- Section VI Price Bid:

### SCHEDULE 'B'

#### Schedule of materials to be issued to the contractor

Sl.N o.	Description of item	Quantity	Rate at which the material will be charged to the contractor	Place of Issue
NIL				

### SCHEDULE 'C'

#### Tools and plants to be hired to the contractor

S. No	Description of item	Hire Charges per day	Place of Issue
Nil	Nil	Nil	Nil

### SCHEDULE 'E'

#### Reference to General Conditions of Contract.

Name of work	<b>Fabrication, Erection, Testing and Demonstration of Hot Cell Test Facility for Hot Cell / Head End Equipment Demonstration.</b>
Estimated cost of work	<b>Rs. 20,32,203 (Inclusive of 18% GST)</b>
Earnest Money	<b>Rs. 40,644/-</b>
Performance Guarantee	3% of the tendered value of the work.
Security Deposit	2.5% of the tendered value of the work.

### SCHEDULE 'F'

<b>GENERAL RULES &amp; DIRECTIONS:</b>	
Tender Inviting Authority	Chief Engineer, RpG
Maximum percentage of quantity of all items of work to be executed beyond which rate are to be determined in accordance with Clauses 12.2 & 12.3	See clause 12 of this schedule

<b>Definitions:</b>		
2(v)	Engineer-in-charge	As intimated in the Work Order
2 (viii)	Accepting authority	Chief Engineer, RpG
2 (x)	Percentage on cost of materials and labour to cover all overheads and profits	15%

2 (xi)	Standard Schedule of Rates	Not applicable
2 (xii)	Department	Department of Atomic Energy, Government of India
9 (ii)	Standard contract form	a) Various standard clauses with corrections up to the date stipulated in Schedule 'F' along with annexure thereto. b) Safety code – Refer Section-IV
Clause – 1		
i)	Time allowed for submission of Performance Guarantee from the date of issue of letter of Intent, in days	15 (Fifteen)
ii)	Maximum allowable extension with late fee @0.10% per day of Performance Guarantee amount beyond the period provided in (i) above in days	7 (Seven) days
Clause – 2		
Authority for fixing compensation under clause 2:		Chief Engineer, RpG
Clause – 2A		
Whether clause 2A shall be applicable:		No
Clause – 5		
Number of days from the date of issue of work order for reckoning date of start		15 (Fifteen) days
Milestone(s) as per table given below:		
Clause – 6 or 6A		
Clause applicable –(6 or 6A)		Clause 6A is applicable
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 interim payment.		Minimum Rs. 2 Lakh
Clause - 10A		Not Applicable
Clause – 10B (ii)		
Whether Clause 10B (ii) shall be applicable (yes or No)		No
Clause – 10B (iii)		
Whether Clause 10B (iii) shall be applicable (yes or No)		No
Bank Guarantee amount towards security of mobilization advance as specified by EIC.		Not Applicable
Number of installments of Mobilization Advance		Not Applicable.
Clause – 10CA		Not Applicable
Clause – 10CC		Not Applicable
Clause – 11		



Specifications to be followed for execution of work	Section V: Scope of Work & Technical specification
Clause – 12	The percentage deviation allowed up to +25% for individual items and shall not exceed 1.1 times of the tendered amount

Clause – 16		
Competent Authority for deciding reduced rates:		Chief Engineer, RpG
Clause – 18		
List of mandatory machinery, tools & plants to be deployed by the contractor at site.		
S. No	Name of the Machinery / Tools / plants	Minimum Nos.
	Not Applicable	

Clause – 25 – Disputes Redressal Committee (DRC)	
The following officers will be the members of the DRC for this work :	
For total claim up to and below Rs. 25.00 Lakhs	Standing IGCAR two members committee
For total claim above Rs. 25.00 lakhs	Standing IGCAR three members committee

Clause – 36 (i) Requirement of Technical Representative(s) / supervisor and recovery rate							
Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation	Mini. Experience (Years )	Numbers	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36 (i)	
1.	Diploma/Any Graduate	Mechanical / Chemical / Any Discipline	Execution Engineer & Safety Engineer	5/0	1	Rs 10,000/- per month	Rs. Ten thousand

Clause – 42	Not Applicable
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**SECTION-V**  
**SCOPE OF WORK & TECHNICAL**  
**SPECIFICATION**

## SECTION - V

### SCOPE OF WORK AND TECHNICAL SPECIFICATIONS

#### 1.0 INTRODUCTION:

This section defines the scope of contractor's work and the technical requirements of the work with annexure. The specifications given in this section establishes the requirements of **Fabrication, Erection, Testing and Demonstration of Hot Cell Test Facility for Hot Cell / Head End Equipment Demonstration.**

The scope of work is generally defined as follows and accordingly the same has been categorized in the schedule of quantities as appropriate.

#### Scope Of Work And Technical Specifications

**Name of Work:** Fabrication, erection, testing and demonstration of "Hot Cell Test Facility for Hot Cell / Head End Equipment Demonstration" for DFRP.

##### 1. SUPPLIERS SCOPE

This section defines the scope of contractor and the technical requirements for the fabrication, erection, testing and demonstration of "Hot Cell Test Facility for Hot Cell / Head End Equipment Demonstration" for DFRP as per the tender drawing with drawing number: DFRP/33800/4006.

- 1.1 This specification establishes the requirements, for the procurement and fabrication of various sections like angle sections, channel sections etc.by forming or any other appropriate machining method and procurement of standard stainless steel hollow sections (box structure). Manufacture of different configurations of cover plates and sheets, fabrication of the stainless steel structure utilizing the procured box structure and various fabricated sections like fabricated angles, channel, and box section by GTAW process.
- 1.2 The scope of the contractor includes fabrication, erection, testing and commissioning of the test facility in Reprocessing Plant Design Building (RPDB), RpG, IGCAR, Kalpakkam. The contractor is free to fabricate the test facility either at site or at his shop floor provided it is beneficial for the department. In any case, all the works shall be completed following all the required quality standards.
- 1.3 The scope of work covers the requirement for procurement, handling and transportation of required raw materials for fabrication of various types of steel connections and sections and for cutting and laying of sheets and plates wherever required.
- 1.4 Scrutiny of all tender drawings and technical specifications by the contractor and getting clarifications, if any.
- 1.5 The drawing submitted along with the tender is purely preliminary in nature and the contractor shall prepare detailed fabrication drawings. However, the contractor is free to suggest modifications, if any, which would improve the performance and / or reduce the

- cost of work. However, such modifications shall be incorporated only after obtaining final approval from the department.
- 1.6 Preparation of shop floor drawings in accordance with the standard fabrication procedure with required quality standards and submission of the same to the department for approval after placement of work order. The complete fabrication procedure shall be in accordance with ASME Section-VIII Division 1 as per drawing DFRP/33800/4006.
  - 1.7 Procurement of all materials shall be in accordance with ASTM standards and as per the material specification given in the tender drawings and technical specifications. This includes all bought out items, fabricated sections, bought out sections etc.
  - 1.8 Submission of the details of the manufacturing processes and their sequence intended for approval from the department and fabrication shall be carried out as per the approved manufacturing processes and approved fabrication drawings.
  - 1.9 Approval from the department is required for any deviations in the design with appropriate reasons for the same.
  - 1.10 Inspection by the department, of the sub-assemblies or the entire test facility after any modifications, as and when required by him to do so during the execution of the contract shall be ensured by the supplier. The necessary instruments, equipments, infrastructure, personnel and all facilities needed for the inspection by the department shall be provided by the supplier.
  - 1.11 The contractor shall carry out any modifications suggested by the department and fabricate the rest of the items as per the approved drawings and specifications. Such modifications or improvements shall be carried out until satisfactory performance is achieved. Such modifications shall be carried out by the contractor at free of cost, if they are required for reasons arising from bad workmanship, unsatisfactory performance or non-conformity to specifications and quality standards.
  - 1.12 For SS plate and sheet cutting, cutting plan shall be submitted to the department for approval before starting the fabrication work. The plates and sheets shall be cut as per approved layouts only.
  - 1.13 Cutting of the plates and sheets shall be by machine cutting, shearing, cutting by grinding only and not by plasma cutting. All sharp corners should be rounded off.
  - 1.14 The contractor is required to take enough precaution in carrying out the work considering utmost safety of manpower, material and systems.
  - 1.15 Manufacturing of sample sections and connections as per the approved procedure and submission of the same for inspection and approval from the department before bulk manufacturing shall be ensured by the contractor.
  - 1.16 Offering of sub-assemblies, various fabricated and formed sections, plates or the entire system for inspection to the department as and when required by him to do so during the execution of the contract shall be ensured by the supplier.
  - 1.17 Surface cleaning, pickling and passivation, pre-fabrication of structural sections, square sections, cover plates, fabrication and erection of structure and field welding inclusive of stainless steel supports as required. Surface cleaning, pickling and passivation of all the materials before use and erection, local passivation of weld joints after LPE and other testing shall be ensured by the contractor.
  - 1.18 Butt welding of structural sections and cover plates using GTAW process with argon gas (purity 99.995%) for both shielding and purging and fillet welding with argon gas shielding and for purging if required.

- 1.19 Submissions of the finished items for final inspection and during inspection the contractor shall provide all the instruments, equipment and personnel needed for inspection to the department personnel.
- 1.20 The welding process shall be using Gas tungsten arc welding (GTAW) using argon as shield gas using ER 308L filler wire unless otherwise specified.
- 1.21 Qualification of welders and welding procedure shall be in accordance ASME Section-IX.
- 1.22 Qualification of welders shall be carried out in presence of department Quality control inspector. Only after his approval the welder can be used for the work.
- 1.23 The weld joints shall be free from defects like undercuts, porosity, lack of fusion, lack of penetration, any surface cracks etc., not exceeding those permitted in the relevant code.
- 1.24 Wherever multi-pass welding is involved, each run of weld shall be thoroughly cleaned before depositing the subsequent weld. Inter-pass temperature shall be maintained in multi-pass welding as per code procedure.
- 1.25 All weld penetrations and reinforcements shall be perfectly ground without any removal of parent material.
- 1.26 All weld joints root and final pass shall be subjected to liquid penetrant examination.
- 1.27 All LPE consumables along with necessary manpower shall be provided by the contractors.
- 1.28 LPE consumables shall not have Halogen content more than 25 ppm and sulphur less than 1%. P-Met make LPE consumables are alone approved for use meeting the above requirement.
- 1.29 Welding consumables shall be provided with linkable test certificates and shall be submitted to the department personnel while inspection is being carried out.
- 1.30 Preparation of inspection reports of all the components and sub-assemblies at appropriate stages as decided by the Engineer during the fabrication. Submission of these reports to the engineer to do so during the execution of contract.
- 1.31 Highest quality of the material, processes and workmanship which are not specifically mentioned shall be in accordance with the good practice pertinent to the manufacture of stainless steel structures.
- 1.32 All bought out items detailed specification with design details shall be submitted to the purchaser for approval prior to the procurement.
- 1.33 The wheels which are to be used for supporting the structure shall be single polyurethane wheel of mould-on type with a minimum hardness value of 67 Rockwell C scale hardness (HRC) suitable for extra heavy load application. The wheel shall be attached to the frame structure using electro welded steel bracket having turning plate bracket to ensure proper maneuvering of the structure. Provision for braking shall also be provided in the wheel assembly. The wheel assembly shall be attached carefully.
- 1.34 The activities mentioned as assembly, testing, mockup trial and demonstration vide S.No 6 in SOQ shall include the following.
  - i. Functionality testing of all the frame structures and table with telescopic supports.
  - ii. Mounting and functionality testing of manipulators at different locations.
  - iii. Checking the stability of the structures in a) L shape configuration and b) straight configuration.
  - iv. Functionality checking of wheels in assembled condition.

- v. Assembling of cover plates and functionality testing of window in different locations of cover plates.

## **2. GENERAL INFORMATION FOR THE ATTENTION OF CONTRACTORS:**

### **2.1 Site location**

The site is located in Reprocessing Plant Design Building (RPDB), Reprocessing Group, at IGCAR, Kalpakkam, Tamil Nadu.

## **3. ENGINEERING DRAWINGS:**

- 3.1 The tender drawings generally indicate design features of the structure to indicate the nature of work to the tenderers for submission of the bids.
- 3.2 The contractor shall verify the actual site dimensions, feasibility of fabrication and erection and if any modifications are required on these drawings, the same shall be brought to the notice of the Engineer and drawings got revised and approved by the department for taking up the fabrication works.
- 3.3 The detailed drawings for fabrication, welding and support details as per site requirement etc. shall be prepared by the contractor and get it approved by the department for fabrication. The department reserves the right to make and recommend changes and such changes shall be considered within the scope of specified work and not considered as extra works.

## **4 DATA/DOCUMENTS TO BE SUBMITTED AFTER THE AWARD OF CONTRACT**

- 4.1 The contractor before proceeding with the fabrication and within 15 days from the receipt of order shall submit the following drawings and documents for department approval. This when approved shall form part of the contract.
- 4.2 The detailed structural drawing, various formed and fabricated sections, details of procured box structure and supporting table details, plate fabrication drawings, manipulator mounting details, lifting lugs and working drawings indicating various typical weld details, details of bought out items and different typical structural support.
- 4.3 The complete fabrication plan, time schedule and PERT chart for the job, with details of basis on resources to be applied, etc.
- 4.4 The Quality Assurance Plan, quality control plan for inspection and testing of all raw materials, bought out items, welding and erection.
- 4.5 Surface cleaning, forming, welding, repair, inspection and various quality control and testing procedures.
- 4.6 Structure erection procedure, cover plate fit up and welding procedures.
- 4.7 Makes of tungsten electrode, liquid penetrant examination material details, grinding wheels, etc.
- 4.8 Contractor's site organization, machinery details, etc.

## **5 MATERIALS**

- 5.1 All material is in the scope of the supplier as per ASTM – A240, A479, A312.
- 5.2 All the other materials, consumables, electrodes, filler wires, gas, fasteners, perspex as required etc. shall be supplied by the contractor with proper linkable test certificates.
- 5.3 Welding filler wire used for GTAW welding shall conform to ER 308 L qualities as per ASME section IX. The cost of conducting all the tests shall be borne by the contractor. Contractor is advised to estimate and procure sufficient quantity for the entire work in one lot to have filler wire of consistent quality.

- 5.4 The contractor is required to take enough precaution before welding to avoid distortion and shrinkage during welding and in order to achieve specified planarity and to avoid distortion of plates.
- 5.5 All structural steel shall be of standard sections as marked on the drawings and shall be free of scale, blisters, laminations, cracked edges and defects of any sort. The contractor shall furnish duplicate copies of all mill orders and/or the test reports received from the mills, to satisfy the Engineer-in-Charge.

## **6. PLANNING DURING INSTALLATION:**

- 6.1 The structural section fabrication and erection shall follow planned sequence made in consultation with the department.
- 6.2 The assembly of the structure shall be in a well-planned sequence to avoid interference, clashing or fouling with already laid sections, inaccessibility for workmen to the work locations shall be avoided.
- 6.3 It should be ensured that joints should not be contaminated with any other foreign materials like burrs, cotton waste etc.
- 6.4 The temporary work platforms shall be erected using proper scaffoldings mainly supported on the staging members at different elevations as required. Installed structural sections and supports shall not be used for erection or support of these work platforms, or as a means to climb or descend by the workmen.
- 6.5 Those formed sections, fabricated sections and front cover plates which are manufactured in pre-assembled condition shall be installed as described earlier. Assembly and welding shall be carried out in-situ after alignment has been checked, inspected, approved, and written consent obtained from the engineer.
- 6.6 All the erected structure shall be adequately supported for guiding and load bearing, at proper intervals. Welding of these shall be using GTAW process only.
- 6.7 All the structures after cleaning and passivation shall be flushed with clean and dry compressed air.

## **7.0 COMPLETION OF WORK:**

- 7.1 As far as technical requirements are concerned the contractor's work shall be considered completed, when the structure is fabricated, erected at site and successfully demonstrated in accordance with the drawings and technical specifications and have passed all inspection and tests requirements described in the technical specification issued with these documents. The contractor shall issue construction completion certificate attesting above. The certificate in the approved proforma shall be submitted to the department and shall be subject to endorsement by the engineer. Any deficiency pointed out on the structures shall be rectified expeditiously and in consultation with the department so as not to delay the testing or commissioning works.

## **8. INSPECTION AND TESTING:**

- 8.1 The inspection and quality control shall be as per relevant section in the tender document.
- 8.2 The contractor shall provide all the testing and inspection services and facilities except where otherwise specified, for the inspection and testing requirements

covered under the scope of this specification. Minimum inspection requirements shall be as per codes and these specifications.

- 8.3 Proforma for test and inspection on all materials and fabrication, erection shall be got approved by the department and all the records properly maintained.
- 8.4 Inspection, testing and repair procedures shall be approved by the Engineer. Inspection by the Engineer or his authorized representative shall not relieve the contractor of inspection and conformity to this specification. Engineer reserves the right to waive off any inspection requirements.
- 8.5 All the materials procured by the contractor including welding filler wire, weld consumables, liquid penetrant examination materials, etc. shall be tested as required by material designated standards and this tenderspecification. Proof in the form of manufacturers certificate is acceptable, but if linkable test certificates are not available the required tests as per the relevant standard and specification shall be performed by the supplier

## **9. MANUFACTURER'S GUARANTEE:**

- 9.1 The contractor shall maintain record of all test certificates, material test certificates, reports, manufacturers certificates, weld procedures and performance qualification, D.P test reports, and of other tests. All these shall be submitted to the department along with the contractor's own manufacturers certificate, confirming the construction to the stipulated codes and specifications.
- 9.2 The contractor shall guarantee the system for a period of 12 months after completion of all works against manufacturing defects and workmanship.

## **10. REJECTION OF DEFECTIVE WORK:**

- 10.1 The structural fabrication work after testing and acceptance if found defective, notwithstanding that such defects could have been discovered at the time of inspection, of the contract or developed defect within a period of 12 months from the date of completion of all work, such defects shall be repaired as per section 1.10 and meeting the functionality requirement free of cost by the supplier.

## **11. SCHEDULE OF QUANTITIES:**

- 11.1 The tenderer shall fabricate, install, test and demonstrate all the items as specified in the different sections of this tender document and quantities should be as per the schedule of quantities attached.





**Government of India  
Department of Atomic Energy  
Indira Gandhi Centre for Atomic Research  
Kalpakkam – 603 102**

**Reprocessing Group  
Reprocessing Design and R&D Group (RDRDG)  
Engineering Design and Analysis Section (EDAS)**

**Tender for**

**Fabrication, Erection, Testing and Demonstration of Hot Cell Test  
Facility for Hot Cell / Head End Equipment Demonstration.**

**TENDER NO. IGC/RpG/FRPPCG/EDAD/EDAS/2024/33/01**

# **PART – II**

**(Section VI)**



**SECTION-VI**  
**SCHEDULE OF QUANTITIES AND RATES**

## SECTION - VI

### SCHEDULE OF QUANTITIES AND RATES

#### 1. GENERAL:

This section of Schedule of Quantities and Rates is to be read for the purposes of pricing in conjunction with the special instructions to the tenderers, general rules for the guidance of tenderers, condition of contract, the scope of work and technical specifications of the tender. The description of the item of work in the Schedule of Quantities and Rates format may not give exhaustive description as in the different sections of the tender document.

- a. Quantity Estimates for different works indicated in this tender are as given in the schedule of quantities attached with this section. Quantities indicated in the Schedule of Quantities and Rates (SOQR) Section VI, are approximate and are subject to variation to suit site conditions and additions / deletions in the scope of work and is subject to the overall variation in the tender contract value.
- b. In case of any dispute in this regard, Engineer's decision is final and binding on the contractor.

#### 2. PRICES:

The rates quoted by the bidder in price schedule shall be firm throughout the duration of the contract and deemed to have included all elements of labour, supervision, consumable materials, equipment, inspection, overheads and profits together with all general risks, liabilities and obligations set forth or implied in the documents on which the tender is to be based. The quoted rate shall be inclusive of GST and shall be payable by the contractor and IGCAR will not entertain any claim whatsoever in this respect. Payment will be made on the basis of quantities actually measured, for the completed items of work, in accordance with the specification.

- a. **It is emphasized that all requirements mentioned in the technical specifications and other sections in this tender shall be applicable for the execution of the item rate of work under the schedule of quantities and rates, even though the description of work under the item rate in the schedule may not be exhaustive in specifically mentioning or including the same.**
- b. **Please refer Sec.-V also for the details of the scope of work to the respective Items in Schedule of Quantities and Rates.**
- c. **In case of any contradiction the same may be brought to the attention of tender notification authority for clarification before submission of tender bid. In case of any contradiction that is brought out on a later date after award of contract the decision of the Engineer in charge will be final on the matter.**
- d. Contractor is once again requested to seek clarification in writing should they have any doubt.