



**GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
INDIRA GANDHI CENTRE FOR ATOMIC RESEARCH
FAST REACTOR TECHNOLOGY GROUP (FRTG)
KALPAKKAM – 603 102**

Tender Document

[Additional Terms & Conditions (ATC)]

For

**Maintenance of General and Sodium Instrumentation Systems in
FRTG.**

Tender No: IGCAR/FRTG/IMAMC/2026/NIT/001

TABLE OF CONTENTS

Section No.	Description	Page Nos.
I	Notice Inviting Tender	3 to 11
	Annexure I – Technical Bid	12 to 14
	Annexure II – Form 'A': Financial Information	15
	Annexure III– Declaration by the Bidder	16
	Annexure IV – Undertaking by the Bidder	17 to 18
	Annexure V – Letter of Transmittal	19
	Annexure VI – Tender Acceptance Letter	20
	Annexure VII – Letter to Bank	21
II	Scope of Work	23 to 37
III	Instruction and Guidance to Tenderer	38 to 40
IV	General Conditions of the Contract	41
V	Special Conditions of the Contract	42 to 54
VI	Annexure A - Financial Bid for view	55 to 56
	Annexure B - Form of Performance Guarantee (Bank Guarantee) Bond	57 to 58

SECTION-I

**GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
INDIRA GANDHI CENTRE FOR ATOMIC RESEARCH
FAST REACTOR TECHNOLOGY GROUP (FRTG)
KALPAKKAM – 603 102**

I. NIT Details:

1.1. Online Percentage rate tender [Facility Management Service (Lump sum based)], in TWO parts are invited for and on behalf of the President of India by the Director, IGCAR, For and on behalf of the President of India, Kalpakkam, Chengalpattu District, Tamil Nadu – 603 102, from agencies who have experience in providing similar services (as specified in para. 1.2(a) of this NIT) and are meeting the conditions as stipulated in this NIT, as per the details given below:

Tender No.IGCAR/FRTG/IMAMC/2026/NIT/001

i) Name of work	Maintenance of General and Sodium Instrumentation systems in FRTG.
ii) Estimated Cost put to tender	Rs. 53,08,924/- (Inclusive of 18% GST)
iii) Completion period	24 (Twenty Four) Months
iv) Earnest Money Deposit	Rs. 1,07,000/- (Rupees One lakh Seven Thousand Only) in the form of Deposit at Call receipt or Demand Draft / Bankers Cheque/ FDR drawn in favour of PAY & ACCOUNTS OFFICER, IGCAR, KALPAKKAM payable at Kalpakkam. Insurance Surety Bond will also be accepted. Cash, Cheque, Bank Guarantee for Earnest Money deposit will not be accepted. Micro and small enterprises (MSE's) registered under MSME' and 'GeM GTC categorised EMD exempted service providers' are exempted from EMD. All service providers under MSE category are eligible for exemption. Traders as Major Activity are excluded from the purview of this exemption. However, they are required to furnish the MSME certificate/ concerned proof of certification instead of EMD at GeM Portal.
v) Cost of tender document	NIL
vi) Tender processing fee	As applicable
vii) Security Deposit	2.5 % of tendered value

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[M. MOHANA]

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Head, Reactor Development & Rig Services Division
इल रिक्टर प्रौद्योगिकी समूह
Fast Reactor Technology Group
इंदिरा गांधी परमाणु अनुसंधान केंद्र
Indira Gandhi Centre for Atomic Research
कल्याकम / Kalpakkam तमिल नाडु / Tamil Nadu - 603 102

viii) Performance Guarantee	3 % of tendered value
ix) Dates of availability of Tender Documents for view, download and submit	From 11/09/2026 (17:00 Hours) to 08/10/2026 (14:00 Hours) To Download – please visit GeM website on: https://gem.gov.in Detailed NIT is also available on website www.igcar.gov.in for view only.
Please note that the tender will be available for download between the dates as prescribed above. Agencies interested in participating must register in the GEM web portal and pay the prescribed registration charges as per requirements, should pay tender processing fee online, all within the dates prescribed above. <u>Only agencies who have registered in the above-mentioned web portal can participate in e-tender.</u> Detailed NIT is also available on website www.igcar.gov.in for view only.	
x) Free viewing of Tender Documents in PDF format.	Search on Website https://gem.gov.in If interested in participating in the tender, download tender details as under.
xi) Purchase of tender Documents in Excel Format for participation in tendering.	Login in the Home page of the website https://gem.gov.in with your User ID & Password. Click on “Bids” button; then Click on “List of Bids”; Click on “Search” button. Now type appropriate key word on search tab. In the list select our bid and apply. Please refer Help Manual for submission of Tender / contact Help Desk at https://gem.gov.in/contactUs for any queries.
xii) Last date & Time of pre bid clarification if any, sent by bidder	The bidders are requested to send their Pre-bid clarifications / queries by not later than 14:00 Hours on 16/09/2026 to e-mail id – manomohana@igcar.gov.in & pacific@igcar.gov.in
xiii) Last date and time of closing of online submission of tenders (Bid end date):	08/10/2026 (14:00 Hours)

Signature
9/9/2026

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प्रधान, उपकरण विकास एवं रिंग सेवा प्रभाग
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Indira Gandhi Atomic Research Laboratory

Page 4 of 58

Signature
[M-MOHANA]

xiv) Last date and time for submission of Original EMD	08/10/2026 (15:00 Hours) The tenderer shall be required to submit the Earnest Money in a sealed envelope marked 'Earnest Money' to Director, IGCAR, Kalpakkam- 603102. Please note that, EMD shall be submitted in a sealed envelope clearly mentioning the Unit name FRTG, IGCAR, Tender number & Name of work in a cover without fail. However, documents sent by post or courier will also be considered provided the same is received within due date & time and postal details shall be sent to e-mail ids - manomohana@igcar.gov.in & pacific@igcar.gov.in. If a tenderer fails to submit original DD/BC/ PO/DR/ Insurance Surety Bond within the prescribed period as mentioned above, those tender will be summarily rejected.
xv) Date and time of online opening of Part-I (Technical Bid)	09/10/2026 (14:00 Hours) at the office of Director, Hall-III, FRTG, IGCAR, Kalpakkam.
xvi) Period of verification of credentials for evaluation.	12/10/2026 to 16/10/2026 (excluding Saturday, Sunday and holidays) Note: Original documents substantiating the eligibility criteria all mentioned should be produced for verification during the above period. If the tenderers fail to submit original credentials for verification, within the prescribed period as mentioned above those tenders will be summarily rejected. For outstation bidders who have difficulty in appearing in person original notary certified documents can be submitted by registered post.
xvii) Evaluation of Part-I (Technical bid)	Part-I evaluation for qualifying the bidders will be done based on credentials submitted by the bidder for opening Part-II (Financial bid). Inspection of eligible works will be carried out by an Engineering Team of Technical Evaluation Committee, if necessary.
xviii) Date of opening of Financial Bids of qualified bidders	Date and time will be notified later. Bidder shall check on GeM after Evaluation of Part-I Technical bid.
xix) Minimum Bid/Offer validity period required	120 Days from bid submission closing date

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Indira Gandhi Centre for Atomic Research
कल्पक्कम / Kalpakkam तमिल नाडु / Tamil Nadu - 603 102

Chartered Accountant as uploaded by the applicant to Income tax department, as per proforma specified in Form – A.

NOTE – (b):

- (i). Bidders who are Micro or Small Enterprises (or) Startups are NOT exempted from point (a). Bidders who are Micro and small enterprises (MSE"s) registered under MSME and GeM GTC categorised EMD exempted service providers are exempted from point (b). All service providers under MSE category are eligible for exemption. Traders as Major Activity are excluded from the purview of this exemption. Documentary proof substantiating MSE shall be submitted along with the bid.

(c) EPF/ESI Registration:

- (i) The bidder should be registered with Employees Provident Fund Organization (EPFO). He shall furnish the Certificates of Registration with EPFO. Bidder's profile shall invariably contain EPF registration number.
- (ii) The bidder should be registered with Employees State Insurance Corporation (ESIC). He shall furnish the Certificates of Registration with ESIC. Bidder's profile shall invariably contain ESIC registration number.
- (iii) The contractor shall give an undertaking in the attached format (Annexure-IV), for taking workman compensation policy for the subject work after the award of contract.

NOTE – (c):

- (i) Bidders debarred for bidding in any of the DAE units are not eligible to participate in the tender.
- (ii) Bidders who are GST defaulters as per the GST authorities at the time of 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.
- (iii) The bidder shall provide undertaking, in format provided in Annexure IV of this document, to the effect that he will not allow or permit any employee to participate in any trade union activities or agitation in IGCAR / Township Premises.
- (iv) Joint Ventures (JV) are not permitted;
- (v) Each bidder shall submit only one bid.
- (vi) 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, legislations and statutory conditions or any other acts dealing with minimum wages, bonus, industrial relations, and social security.

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[M. MOHAN]

- (h) Proof of Average annual financial turnover as asked in para. 1.2. (b);
- (a) Audited financial statements including copies of the Profit and Loss (P/L) statements along with Balance Sheet for the last three years, 2022-2023, 2023-2024 and 2024-2025.
- (i) Bank Account details;
- (j) Authority to seek references from the bidder's bankers;
- (k) Information regarding any litigation, exclusion orders, expulsion or block entry, current or during the last three years, in which the Bidder is involved, the parties concerned and disputed amount.
- (l) Declaration by the bidder, Checklist and Undertakings.
- (m) Micro or Small Enterprise certificate in case of MSE.
- (n) Employees Provident Fund Organization (EPFO) and Employees State Insurance Corporation (ESIC) Certificates of Registration.

III. Additional instructions to bidders:

- 1.4. IGCAR, DAE, Kalpakkam is located 85 kms away from Chennai. The site is accessible by road from Chennai via Chengalpattu, Thirukalukundram and also via Mamallapuram by East Coast Road (ECR).
- 1.5. Information and Instructions for tenderers posted on website shall form of tender document.
- 1.6. Those contractors not registered on the website <https://gem.gov.in>, are required to get registered for e-tendering mode. Registered contractors only can submit / upload tenders.
- 1.7. Short listing of the agencies shall be subject to thorough verification of their credentials and inspection of services carried out by them.
- 1.8. 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. The department reserves the right to verify the particulars furnished by the applicant independently.
- 1.9. Scanned copy of the following duly signed & sealed on letter head of the bidder to be uploaded at the time of submission of bid and the same shall be submitted during the period of technical evaluation: -

- Annexure I – Technical Bid information
- Annexure II – Bidder Financial Information
- Annexure III – Declaration by the Bidder
- Annexure IV – Undertaking by the Bidder
- Annexure V – Letter of Transmittal
- Annexure VI – Tender Acceptance Letter
- Annexure VII – Letter to Bank

Note: During technical evaluation, above missing documents if any, can be asked for submission. Failing to upload the documents will result in disqualification of technical bid.

- 1.10. In case of successful tenderer, the tenderer is required to deposit an amount

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Indira Gandhi Centre for Atomic Research
कल्याणकम / Kalpakkam तमिल नाडु / Tamil Nadu - 603 102

equal to 3% of the tendered value of the contract as irrevocable performance guarantee in the form of bank guarantee from any of the scheduled bank or by demand draft from State bank of India or Canara Bank drawn in favour of **Pay & Accounts Officer, IGCAR, Kalpakkam** payable at Kalpakkam within a period of 15 days of issue of letter of intent.

The letter of award of work (GeM Contract Order) will be issued only after the above said performance guarantee in any one of the prescribed forms 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 and suitable action as deemed fit will be initiated against the bidder.

- 1.11. In addition to the above, the successful tenderer is required to remit security deposit amounting to 2.5% of the tendered value which shall be deducted at 2.5% of the gross amount of the bill from each running bill, till total security deposit is recovered. EMD deposited along with bid will be returned after receiving Performance Guarantee.
- 1.12. Tender will be kept valid for 120 (One hundred and Twenty) days from the last date of closing of online submission of tender.
- 1.13. No modifications in the tender shall be allowed after opening Part –I bid.
- 1.14. After opening of Part-I (Technical Bid) of tender, Director IGCAR may constitute a Technical Evaluation Committee which will first verify the online credentials submitted by the bidder with respect to their eligibility for the work. 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 (Financial Bid) will be intimated to all bidders through the GeM Portal website.
Note: During technical evaluation, missing documents if any, can be asked by committee for submission.
- 1.15. The EMDs of the unsuccessful bidders will be returned without any interest only after publishing financial evaluation status of bidders on GeM portal.
- 1.16. Bidders are requested to note that, they should necessarily submit their price breakup/financial bid in the format provided and no other format is acceptable. The price breakup is given as a standard BoQ format, bidders are required to download the BoQ file, open it and complete the Yellow 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 print the same. The printed price breakup should be signed, scanned and uploaded as pdf file. If there is any difference between quoted lump sum amount and the uploaded price breakup, then the bid will be summarily rejected.
- 1.17. VDA, Bonus and employer's contribution to EPF & ESI as per extant government orders shall be paid by the contractor which shall be reimbursed on production of documentary evidence.
- 1.18. Workman compensation policy as per extant government orders shall be paid

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[Signature]
7/9/2026

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Durg Richter Technologies Group
Page 10 of 58
कल्याणकम / Kalpakkam तमिल नाडु / Tamil Nadu - 605 017

by the contractor and will have to be made by the Contractor at his own cost and will not be reimbursed.

- 1.19. Bidders shall not be under a declaration of ineligibility for tender quoting and fraudulent practice.
- 1.20. If the bidder is submitting the financial bid along with technical bid, such bid will be summarily rejected.
- 1.21. Bidders may please note that GeM is capturing and showing the IP addresses used by the Buyer and the Bidder(s). If the received bids having matching/common IP address between Bidder(s) and Buyer, such bids shall be outrightly rejected and shall not be considered for further evaluation. If the received bids having matching/common IP address among the Bidder(s), the buyer reserves the right to seek clarification. If the clarification is not received or not satisfactory, such bids shall be outrightly rejected & shall not be considered for further evaluation.
- 1.22. Bids submitted with any conditions including bids with conditional rebate in price shall be summarily rejected
- 1.23. Information regarding litigation, exclusion orders and expulsion or block entry if any shall be furnished along with the bid.
- 1.24. Director, 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 prescribed conditions is not fulfilled shall be summarily rejected.

Forwarded
J. Chandra
(AD, FRTG)

Director, IGCAR

For and on behalf of the President of India

श्रीकुमार जी पिल्लै
Sreekumar G Pillai
निदेशक / Director
इंदिरा गांधी परमाणु अनुसंधान केंद्र
Indira Gandhi Centre for Atomic Research
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Signature
9/9/2026

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Indira Gandhi Centre for Atomic Research
कल्पाक्कम / Kalpakkam-603102

Technical Bid

(To be furnished in the Tenderer's letter head)

NOTICE INVITING TENDER No. **IGCAR/FRTG/IMAMC/2026/NIT/001**

Sl. No.	Particulars to be furnished	
1.	Name of the Contractor/Proprietor/ Authorized Signatory	
2.	Name and Address of the Organization (including landline no., email ID, Mobile No., Web-site, if any)	
3.	Type of Organization (Proprietary/ Partnership Firm/ Company)	
4.	Registration No. & Year of Registration (upload copy)	
5.	Details of Authorized person to deal with (upload copy of power of attorney, if any)	Name: Designation: E-mail ID: Website: Landline No.:
6.	Business License of the firm issued by Municipal Corporation/ State/ Central. Govt. Authorities (upload copy)	
7.	Aadhar No. (upload copy) (for Individual / Proprietary firms)	
8.	Aadhar and PAN linked Proof (for Individual / Proprietary firms)	Copy uploaded (Yes or No):
9.	Permanent Account No. (PAN) /GIR No. (upload copy)	
10.	GST Registration No. (upload copy)	
11.	Provident Fund Account No. of the firm. (upload copy)	
12.	ESI Registration No. of the firm. (upload copy)	

Sl. No.	Particulars to be furnished				
13.	Copy of duly audited Profit & Loss Account and Balance Sheet for three successive financial years 2023-24, 2024-25& 2025-26.	Financial Year		Copy uploaded (Yes or No)	
		2022-23			
		2023-24			
		2024-25			
Sl. No.	Particulars to be furnished				
12.	Copy of Income Tax returns for three financial years 2023-24, 2024-25& 2025-26.	Year		Copy uploaded (Yes or No)	
		2022-23			
		2023-24			
		2024-25			
13.	Details of having completed during the preceding seven years ending 31st March 2026. (i) THREE similar completed services each costing not less than the amount equal to 40% of the estimated cost put to tender; or (ii) TWO similar completed services each costing not less than the amount equal to 50% of the estimated cost put to tender; or (iii) ONE similar completed services costing not less than the amount equal to 80% of the Estimated cost put to tender.				
Sl. No.	Name and address of the establishment	Period of contract		Value of contract	Copy uploaded (Write yes or No)
		From	To		

14.	Details of IGCAR work orders on hand (upload copies of work orders)				
Sl. No.	Name and address of the establishment	Period of contract		Value of contract	Copy uploaded (Write yes or No)
		From	To		
15.	Particulars of relatives working in IGCAR				
Sl. No.	Name of the Employee	Designation		Unit	
16.	Any other relevant information				
17.	Details of EMD				
Mode of payment	Name of the Bank Branch	Date & Place of Issue:	Amount		
			In figures	In words	
18.	Details of MSME Certificate / concerned proof of certification availed for EMD Exemption:				

Date:

(Signature of the Bidder, with Official Seal)

FORM 'A': FINANCIAL INFORMATION

(To be given on Company Letter Head)

I. Financial Analysis - Details to be furnished duly supported by figures in balance sheet for the last three years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (copies to be attached).

Particulars	Financial Year		
	2022-23	2023-24	2024-25
i) Gross Annual turnover on works/Services. Rupees (In Lakhs)			
iii) Certified by			

Name and address of Chartered Accountant	
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II. Financial arrangements for carrying out the proposed work.

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

III. The scanned copies of following certificates are to be uploaded.

Profit & Loss account certified by CA & as submitted to Income Tax Department.

Signature of the Bidder, with Official Seal

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.

DECLARATION BY BIDDER TO BE SUBMITTED BY THE BIDDER

(To be given on Company Letter Head)

(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: **Maintenance of General and Sodium Instrumentation systems in FRTG.**

NIT No. **IGCAR/FRTG/IMAMC/2026/NIT/001**

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.
2. 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 General Services Organisation, 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:

(Signature of the Bidder, with Official Seal)

UNDERTAKING TO BE SUBMITTED BY THE BIDDER

(To be given on Company Letter Head)

(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: **Maintenance of General and Sodium Instrumentation systems in FRTG.**

NIT No. **IGCAR/FRTG/IMAMC/2026/NIT/001**

1. I/We hereby give an undertaking that, I/we have read and I/we am/are aware of all the clauses 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.
2. I/We undertake and confirm that eligible similar service(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/GSO in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit / Performance Guarantee.
3. I / We have read and examined the Notice Inviting Tender, General instruction, terms and conditions, Form of Tender & all other contents in the tender documents for the service AND ACCORDINGLY I / We, hereby tender for execution of the service specified for the President of India within the time specified in Schedule of Quantities and in accordance in all respects and instructions in writing in the general instructions terms and conditions and in respects in accordance with, such conditions so far as applicable.
4. 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.
5. I / We have gone through the "Additional Notes" sheet of financial bid/BOQ and submitting tender accordingly.
6. I / We have understood the entire scope of work and service charges quoted accordingly. We shall carry out the service as per specifications, conditions and complete the service within stipulated time to the entire satisfaction of the Department.
7. If I/We fail to furnish the prescribed performance guarantee in the prescribed form within a period of 15 days from the date of issue of Letter of Intent, I/We agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.
8. Further, if I/We fail to commence work as specified, I/We agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely.
9. 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.

10. I/We undertake to enter into a contract agreement within one month of commencement of operations. The Notice Inviting Tender, ATC as tender document Letter of Intent, Work Order (GeM Contract order), GeM GTC, GeM SLA and other relevant correspondence shall form part of the Contract Agreement (duly signed on all the pages), deemed to be a single composite agreement/contract and are not severable and will be binding on us. Until an agreement is signed and executed, this Bid together with your written acceptance thereof in your notification of award shall constitute a binding contract between us.

11. I/We (Name of bidder) hereby certify that the products/ Services offered for this work meet the requirement of the minimum local content as mentioned in DPIIT order of Public Procurement (Preference to Make in India), Order-2017 dated 19/07/2024 and as amended from time to time and submit the requirement as per the order.

We hereby confirm that the Local content for this work is..... % of tendered value of work.

Note: In case, cost of work exceeds ` 10 Crore, this Percentage of Local content shall be certified by statutory auditor (or) cost auditor of company (in case of companies) (or) from a practicing cost accountant (or) practicing chartered accountant (in respect of suppliers other than companies) as defined in PPP-MII Order, 2017.

12. I/ We do hereby give an undertaking that, none of my relative (s) as defined below is / are employed in DAE 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)

13. Further I/ We give an undertaking that: -

- a. I/We am/are not GST defaulter(s). I/We also give undertaking that I/We will pay GST in time during the complete period of the contract.
- b. I/We will take Workmen Compensation policy for my/our workmen, within 15 days of award of contract.
- c. I/we will not allow or permit any employee to participate in any trade union activities or agitation in Premises.

Date:

(Signature of the Bidder, with Official Seal)

LETTER OF TRANSMITTAL
(To be furnished in the Tenderer's letter head)

To,

Director, IGCAR.
Kalpakkam

Sub: Notice Inviting Tender No. **IGCAR/FRTG/IMAMC/2026/NIT/001** for
Maintenance of General and Sodium Instrumentation systems in FRTG.

* * * * *

Sir,

1. Having examined the details given in the notice and bid document for the above work, I/We hereby submit the relevant information.
2. I/We hereby certify that all the statements made and information supplied in the enclosed forms and accompanying statements are true and correct.
3. I/We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
4. I/we also authorize **Director, IGCAR**, or his authorized representative to approach individuals, employers, firms and corporation to verify our competence and general reputation.
5. I/We hereby declare that I/We am/are not involved in any litigation on the date of submission of the tender.

OR

The details of litigation involving me/us are furnished below:

Date of submission:

Enclosures:

Date:

(Signature of the Bidder, with Official Seal)

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

Date: _____

To.

**Director, IGCAR,
Kalpakkam**

Sub: Acceptance of Terms & Conditions of Tender.

Name of Work: **Maintenance of General and Sodium Instrumentation systems in FRTG.**

NIT No. **IGCAR/FRTG/IMAMC/2026/NIT/001**

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://gem.gov.in> and www.igcar.gov.in as per your advertisement, given in the above mentioned website(s).
2. I/We hereby certify that, I/We have downloaded and read the entire General Terms & Conditions (GTC) and Service Level Agreement (SLA) on GeM and I/We shall abide hereby the terms and conditions contained therein.
3. 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), etc.), which will form part of the contract agreement and I/we shall abide hereby by the terms/conditions/clauses contained therein.
4. The terms & conditions stipulated in SLA will supersede those in GTC and terms & conditions stipulated in this tender document (ATC) will supersede those in GTC and SLA in case of any conflicting provisions.
5. The corrigendum(s) issued from time to time by your department/ organization to have also been taken in to consideration, while submitting this acceptance letter.
6. I/We hereby unconditionally accept the tender conditions of above mentioned tender document(s)/corrigendum(s) in its totality/entirety.
7. I/We do here by declare that our Firm has not been black listed/ debarred by any Govt. Department/Public sector undertaking.
8. 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 therefore 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,

Date:

(Signature of the Bidder, with Official Seal)

LETTER TO BANK
(To be furnished in the Tenderer's letterhead)

To,

The Manager,

_____ (Bank Name)

_____ (Branch)

Sub: Notice Inviting Tender No. *IGCAR/FRTG/IMAMC/2026/NIT/001* for Maintenance of General and Sodium Instrumentation systems in FRTG.

* * * * *

Sir,

1. I/ We am/are holding account No. _____ in _____ (Bank Name) _____ (Branch) since _____. I/We am/are participating in the tendering process for **Maintenance of General and Sodium Instrumentation systems in FRTG.**

2. I/ We also authorize **Director, IGCAR** or his authorized representative to approach your Bank to verify our competence and general reputation and queries, if any.

Date:

(Signature of the Bidder, with Official Seal)

CHECKLIST FOR THE BIDDER
(Please put 'Yes/ No' in the box provided)

Sr. No.	Particular of the document to be uploaded	'Yes / No'
1.	Copy of certificate of registration	
2.	Copy of the Memorandum of Association of the Company/Corporation (in case of limited company or a corporation)	
3.	Certified copy of the partnership deed (in the case of partnership firm)	
4.	Copy of Power of Attorney	
5.	Copy of PAN & Aadhaar	
6.	Copies of GST Registration Certificate, EPF,ESI	
7.	Proof of experience in similar services as asked in para. 1.2. (a) of NIT.	
8.	Proof of Average annual financial turnover as asked in para.1.2. (b) of NIT.	
9.	Bank Accounts details	
10.	Declaration by the bidder, Annexures and Undertakings	
11.	EMD placed in Separate envelope duly super scribed EMD and NIT for Tender Notice No. IGCAR/FRTG/IMAMC/2026/NIT/001 and marked Envelop-I.	
12.	Details of Registered post shall be sent by email to both the mail ids manomohana@igcar.gov.in and pacific@igcar.gov.in	

SCOPE OF WORK & TECHNICAL SPECIFICATION

Name of Work: **Maintenance of General and Sodium Instrumentation systems in FRTG.**

NIT No. **IGCAR/FRTG/IMAMC/2026/NIT/001**

SCOPE OF WORK**1. SCOPE**

The scope of work involves Maintenance of general and sodium instrumentation systems in FRTG, IGCAR, Kalpakkam for a period of 2 years (24 months) in the period 2026-2028.

2. LOCATION OF SITE

The Indira Gandhi Centre for Atomic Research (IGCAR) is located on East Coast Road at Kalpakkam about 80 km away from Chennai in Tamil Nadu.

3. TERMS AND CONDITIONS OF CONTRACT REQUIREMENT

- a) The working hours shall be in one shift per day i.e., 9.00 AM to 05.00 PM. There shall be two days off i.e. Saturday & Sunday. However, if any emergency work the contractor may be called upon for the services on Saturday, Sunday, holidays and after 17.00hrs. The contractor shall arrange manpower to complete the work as instructed by Engineer-in-charge.
- b) A Highly skilled manpower shall possess high competence and the ability to assume full responsibility for job execution. He must have acquired the proficiency through formal professional training (at least Diploma in Instrumentation/Electronics/Electrical) or a minimum of 15 years of practical occupational experience in the electronics / instrumentation field.
- c) A Skilled manpower shall have skill and competence acquired through professional training (at least ITI in Instrumentation/Electronics/Electrical) or a minimum of 10 years of practical occupational experience in the electronics / instrumentation field.
- d) A Semi-Skilled manpower shall have at least completed class 10 or shall have a minimum of 5 years of practical occupational experience in the electronics / instrumentation field, capable of working under the guidance of a Skilled Worker and possessing the ability to supervise Unskilled Workers.
- e) The contractor shall provide valid proof of skill (Educational Certificates, Experience Certificates, or Service Records) for whomsoever he is employing, whenever called for by the Engineer-in-charge.
- f) An Unskilled manpower does not require specialized skills or previous experience in the instrumentation field and shall assist the technicians as instructed by the Supervisor/Engineer-in-charge.
- g) Anybody showing unruly behavior or not talented enough to carry out the assigned works, the department will have the right to disqualify and send them out of the facility. The contractor will have to arrange alternate person.
- h) The contractor shall submit the required documents of attendance, EPF & ESI etc., for the employee's engaged in this work periodically or as requested by the EIC.

- i) The contractor shall replace at his own cost, the items of equipment so damaged or lost or misplaced; on account of lack of care or on account of negligence on the part of the contractor or any of the employees.
- j) The contractor or his authorized supervisory level representative shall have a residence in the local area with proper address and shall have a local contact telephone. He shall be responsible for the contractor's workers working at site and also for arranging alternate persons whenever required.
- k) The contractor and his employees shall be available on the telecommunication device for easy contact by the Engineer-in-Charge or his authorized person at any time related to the contract work.
- l) The contract manpower shall be medically fit and healthy.
- m) The Engineer in charge will instruct and guide the manpower to carry out whatever works required in the facility. The manpower shall have very good basic skill, grasping power and shall carry out any work timely, carefully and neatly.
- n) The contractor shall provide basic tools (screw drivers, cutting pliers, spanner sets, line testers, wire stripper and cutter, etc.) to each skilled manpower to carryout work assigned individually. They shall take care of their tools. Department will not be responsible for any loss / damage of tools.
- o) The Contractor shall supply and maintain Personal Protective Equipment (PPE) for all deployed personnel. This includes, but is not limited to:
 - Safety helmets
 - Protective gloves
 - Eye protection (goggles or face shields)
 - High-visibility clothing
 - Hearing protection (as required)
 - Safety shoes
 - Respirators or face masks (as required by the work area)
- p) Any special tools, instruments, meters etc. additionally required will be issued by the department. The same shall be moved from wherever it is issued / available to the required location, used carefully and returned in good condition. Damage to any tools / instruments due to negligence of the worker will be treated as loss of property. Appropriate charges as decided by the competent authority will be recovered from the amount payable to the contractor.
- q) Before taking up the jobs in the facility, the contractor along with all the manpower, who will be employed by him shall report to the Engineer-in-charge in general shift for induction training. The Engineer will explain and give guidelines regarding the nature of works and work procedures.
- r) Apart from the conditions, scope of work etc., specified in various parts of this tender, the contractor shall be governed by the overall "conditions of contract" specified and attached with this tender document.
- s) In case of default on the part of the contractor or his workers in carrying out the assignments / instructions from Engineer-in-charge or deviating from the terms and conditions of the contract, the department is entitled to terminate the contract.

- t) This work contract does not involve supply of materials in any nature by the contractor.

4. SCOPE OF THE DEPARTMENT

Department will provide material for maintenance work, etc, required for the work. The materials will be in the custody of the Engineer and contractor shall collect the materials required for particular work.

5. QUOTATION

The contractor shall quote strictly in accordance with the Financial Bid.

6. PERIOD OF CONTRACT

The work shall commence immediately after issue of work order. The contract is valid for a period of **24 months** from the date of issue of work order. The department at its discretion may renew the contract for further period at the already accepted rate and prescribed conditions.

7. ENTRY OF CONTRACTOR'S PERSONNEL INTO IGCAR

In view of the security requirements, all the employees of the contractor shall obtain Police Verification Certificate (PVC) for making entry permit into IGCAR premises to complete the security formalities.

8. SAFETY

- a. The contractor or any of his manpower shall not work on live electrical systems and equipment without the supervision of authorized departmental employee.
- b. The contractor shall provide all safety wear listed in point. 3(s) to his manpower. The manpower will not be allowed to work inside the facility without wearing safety shoes and helmet. They will be treated as not reported for duty if they report for duty without wearing safety shoes and helmet.
- c. The contractor shall strictly follow the government labour acts which are in force from time to time.
- d. The department will not be responsible for any accident arising out of negligence of the contractor laborers.
- e. The contractor and his labour shall take all safety precautions while working inside the plant.
- f. The employed contractor's workers shall follow all the safety instructions and guide lines given by the Engineer-in-charge and plant safety authorities.
- g. The contractor shall be aware of the provisions of the workmen's compensation act and follow suit wherever required.
- h. The contractor shall meet the Engineer-in-charge regularly and shall confirm the schedule of work.

9. INDUSTRIAL SAFETY

The Contactor shall be fully responsible for the safety of workmen during the course of the work. The Contractor shall always ensure that his employee properly adhere to the requirements of industrial safety while at work.

SAFETY FIRST, THERE WILL NOT BE ANY COMPROMISE ON SAFETY ASPECTS.

10. 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.

11. MINIMUM WAGES ACT

The contractors shall strictly comply with all provisions of Labour Laws. The contractor shall strictly follow all provisions of minimum wages act (S) (Central Govt.).

The contractor shall submit a proof for the payment of monthly salary to his employees on (or) before 7th of consecutive month to the Engineer-In-Charge. Non adherence will be viewed seriously and the Engineer-In-Charge reserves the right to terminate the contract, if the payment is delayed for more than three times during the entire period of contract.

12. CANTEEN FACILITY

The contractor's persons working in the plant may utilize the canteen services available at site on payment as per rules.

13. Site conditions, safety and security rules:

- a) The plants in FRTG, is in Indira Gandhi Centre for Atomic Research, Department of Atomic energy, located at Kalpakkam, about 80 km from Chennai.
- b) The contractor shall employ 4 Highly skilled, 3 Skilled, 3 Semi-Skilled and 1 unskilled workers in day shift. The shift timing is of (09.00 AM to 05.00PM)**
- c) The contractor shall make own arrangements for getting / renewing entry permits, gate passes etc. for all his employees whenever required from CISF, IGCAR.
- d) At site, the contractor / his workers shall follow all security rules as may be framed by the department from time to time, regarding movement of materials from site, arranging temporary passes / entry permits, issue of identity cards, control of entry of personnel and all similar matters.
- e) The department will not provide any accommodation or transport for the contractor or his employees. They have to make their own arrangements.
- f) The contractor has to follow strictly the government labour acts, which are in force from time to time with all latest amendments.

g) Medical Certificate:

The contractor shall submit a medical certificate for satisfactory health condition including eye vision from any authorized medical officer for all technicians employed under this contract. In order to work at higher elevation (above 3 mtrs from the floor level), the contractor shall obtain a valid height pass for all his technicians employed as per this contract from the industrial safety officer of IGCAR by producing this medical fitness certificate prior to

commencement of work.

14. SPECIAL CONDITIONS

- a) **Site Investigation:** The Contractor acknowledges that he has satisfied himself as to the nature and location of the work, the general and local conditions and other information essential for submitting his tender. 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 with the drawings and specifications.
- b) **Conditions of Contract:** The conditions of contract and Guidance to Contractors for item rate tender and contract applicable to the works of Department of Atomic Energy shall form part of the contract for this work. They are available in the office of the Engineer for perusal of the interested tenderers.
- c) **Sequence of work:** The Contractor shall execute the work as per the sequence given by the Engineer-in-charge from time to time.
- d) **Rates:** Rates quoted by the Contractor shall be all inclusive and no extra will be paid by Department.
- e) **Government Labour Laws:** The Contractor shall follow strictly the Government Labour Acts which are in force at present and all necessary arrangements for labour will have to be made by the Contractor.
- f) **Security Rules:** The Contractor shall follow at site all Security Rules as may be framed by the Department from time to time regarding removal of materials from site, issue of Identity Cards, control of entry of personnel and all similar matters. The Contractor shall arrange photo passes to his workers at his own cost in the manner prescribed by the Department.
- g) **Past Experience and Site Organization:** Contractors shall submit along with their tenders, details of their past experience in the execution of similar works, including value of each work and names of clients, places of execution and other relevant information.
- h) **Safety Regulations:** To avoid accidents, it is imperative to observe safety practices by the Contractor's personnel. Protective cloths, safety shoes, safety belts, safety gloves, goggles etc., shall be worn by the manpower as prescribed by the Engineer-in-charge.
- i) **Accidents to contractor personnel:**

The contractor shall alone be fully responsible for safety, security and insurance or life insurance of the personnel engaged by him. The IGCAR shall not be liable for any compensation in case of any fatal injury/death caused to or by any manpower while performing/discharging their duties.

Ref: Circular no. Dir/2301 dated August 10, 1990. Issued by Director, IGCAR.

THE FOLLOWING PROCEDURE SHALL BE STRICTLY FOLLOWED BY THE CONTRACTOR FOR ANY ACCIDENT TO THEIR WORKMEN WORKING IN IGCAR.

1. The accident reporting procedure shall be followed promptly, in all cases of accidents to workmen.
2. As per section 10 of the workmen's compensation Act 1923, the contractor shall within 7 days of the death or serious bodily injury of workman send a report to the Commissioner giving the circumstances attending the death or serious bodily injury. (Serious bodily injury means an injury, which involves, or in all probability will involve, the permanent loss of, or injury to the sight or hearing, or the fracture of any limb, or the enforced absence of the injured person from the work for a period exceeds twenty days).
3. The contractor shall be fully aware of the provision of workmen's compensation Act 1923 and shall report cases of death / seriously bodily injuries to the Commissioner for workmen's compensation Act as well as Chief Administrative Officer and Safety Engineer. The contractor shall also be asked to deposit the compensation amount, if any, payable to the workman with the Commissioner.
4. The contractor shall take all steps for the treatment of the injured to the satisfaction of the principal employer.
5. The contractor shall send a report periodically about the status of the injured person.
6. In the cases of injuries which have been cured, the site Engineer will obtain from the workman concerned, in person, in the presence of contractor, the statement of the effect that he / she has been cured and is free from any disability for which compensation is payable and no claim is pending from the contractor on account of the accident.
7. If any claim from the employee is pending for settlement, the payment shall be with held by The Accounts Officer on the advice of the Site Engineer executing the contract. The copy of this advice shall be sent to the Chief Administrative Officer and Safety Engineer.

TECHNICAL SPECIFICATIONS OF WORK

1.0 Maintenance of Pressure Measuring Instruments

Pressure measuring devices are located at various places in FRTG. The pressure measuring instruments consist of pressure gauges, pressure switches, D P switches, diaphragm sealed pressure gauges. The scope of the work is as follows:

Preventive Maintenance

The healthiness of the instrument, periodic calibration and its settings shall be checked by the contractors as per the instructions of site Engineer. 25 % of the instruments should be checked periodically once in 3 months.

Breakdown Maintenance

The Contractor shall go to the site along with shift engineer and analyse the nature of fault. If online rectification is possible it shall be done. If any component failure is found it should be replaced. Problems in any mechanical fittings should be attended.

2.0 Maintenance of Temperature Measuring Instruments

The temperature measuring instruments include thermocouples, RTDs, mercury filled/capillary type temperature gauges and temperature transmitters.

Preventive Maintenance

Checking and calibration of Temperature Transmitters should be done. Cable checking shall be done. 25 % of the instruments should be checked periodically once in 3 months.

Break down maintenance

If any break in T/C or RTD is found, the same shall be replaced with a new one. If breakage is found in Capillary tubes of temperature gauges it shall be replaced. If any failure is found in the related electronics it shall be serviced either at component level or board level.

3.0 Maintenance on Level and flow measuring Instrument

These instruments are located in SGTF and Hall II. The flow and level measuring instruments include level gauges, level transmitters, level switch, glass rotameter, metal tube rotameter etc. The scope of the work is as follows:

Preventive Maintenance

Checking and calibration of Level & flow Instruments shall be carried out as per the instructions laid down by FRTG Instrumentation engineers. The necessary test and measuring equipments are under the scope of the contractor. In case of modification works, the identification ferrules, cable lugs, crimping tools, cable glands are under the scope of the contractor. Once in a month the instrument is to be checked.

Breakdown Maintenance

The instruments are to be checked for its performance. In case of problems it should be rectified either mechanically or by component level trouble shooting wherever possible. After completion of maintenance necessary checks should be conducted in the presence of Instrument Engineer.

4.0 Maintenance of Indicators/Controllers

Indicating and controlling devices are located at various places in FRTG. The instruments include digital indicators, digital panel meter, on/off controllers, PID Controllers, load Cell indicators and Bar graph indicators. The scope of the work is as follows:

Preventive Maintenance

Periodic checking of instruments and calibration shall be done as per the instructions laid-down by FRTG Instrument Engineer. Calibration of the above instruments should be done by feeding suitably mV/ mA / volt from the calibrator. The necessary test instruments and calibrators are under the scope of the contractor. If any rerouting of cable or relaying of cable is necessary it should be done. Ferruling and legs fixing is under their scope. Tuning of controllers whenever required should be done. Threshold /Trip settings should be done according to process requirements whenever required. Configuration should be changed wherever required. Fortnightly the instrument is to be checked.

Breakdown Maintenance

If any failure is found it should be serviced and rectified. If any component failure is found it should be replaced at component level wherever possible. Instrument shall be replaced by spare one available with IGCAR, if required, and fixed back to the panel.

5.0 Maintenance of Leak detector systems

In sodium system wire or spark plug type of leak detectors are used to detect leakage of sodium, if any, from the pipe lines or the valves. The Leak detecting system consists of leak detector and its electronics.

Preventive Maintenance

Periodic checking of leak Points by earthing the leak detectors shall be done as per the instructions laid-down by FRTG Engineer. Identification of real or spurious leak should be done. In both cases insulation, cladding removal is required and it should be put in place after fault rectification. The healthiness of electronics should be checked using In-situ tests. Weekly once the detector system is to be checked.

Break down Maintenance

If any fault was found in the card it should be rectified in component level. In the case of ECIL system if one channel got faulty it should be transferred to another channel and configuration should be changed accordingly.

6.0 Maintenance of Recorders

Recorders are located at various places in FRTG. The recorders include potentiometer recorders and pen less recorders. The scope of the work is as follows:

Preventive maintenance

It shall be carried out once in a year or at the starting of any sodium loop as per the instruction laid down by FRTG Instrument Engineer. In the case of penless recorder configuration of channel and additional channel wiring as per the process requirement should be done. Calibration of Recorders by feeding mV/

mA from the calibrator should be done. Once in 3 months the recorders are to be checked.

Break down maintenance

Changing of paper and filling of ink is under the scope of contractor. Any problem in mechanical drive should be attended. After completion of maintenance it should be demonstrated to FRTG Instrument Engineer.

7.0 Maintenance of other Instruments

Instruments are located at various places in FRTG. The instruments include trip amplifiers, annunciators, wall mimic panels, limit switches, valve position indicators and heater control units. The scope of the work is as follows:

Preventive maintenance

It should be done on trip amplifiers and annunciator to ensure the proper functioning of equipment periodically. In the case of Trip amplifiers the changing of set points according to process requirement should be done. In the case of limit switch actuation, it should be checked for proper actuation as the valve closes or opens. If not adjust the position of limit switches. Continuous valve position indication should be checked. Once in three months the instruments to be checked.

Break-down Maintenance

If there is any fault in the instrument it should be rectified at component level and checked for its setting by feeding mV/ mA from the source. In the case of annunciator, bulb should be replaced if it got fused. If there is any fault it should be attended at component level.

8.0 Maintenance of analytical Instruments

Analytical Instruments are located at various places in FRTG. Analytical instruments include oxygen analyser, conductivity meter, PH meter, and conductance wave gauges. The scope of the work is as follows:

Preventive maintenance

Calibration checks shall be done as per instructions laid-down by FRTG Instrumentation Engineer. Calibration of instruments as and when required should be done. Once in three months the instruments to be checked.

Breakdown maintenance

In case of fault, card level/component level servicing should be done. Replacement of sensors and indicators should be done, if required. Supply is in the scope of FRTG.

9.0 Maintenance of Sodium Instrumentation

9.1 Level Sensors

9.1.1 Continuous level sensor

Preventive maintenance

The surveillance checks on the continuous level sensor system shall be carried out at specified intervals. All important parameters of the electronics must be measured and compared with the nominal/reference values. If there is any deviation beyond acceptable value, trouble shooting shall be done and defective module may be replaced. Later the defective module shall be

rectified for future use. Sometimes it may be required to check the calibration of the sensor in-situ either by using the Discontinuous sensor located in the vessel or by using the 'dip-stick' type Mutual-Inductance(MI) based level sensor. The contractor shall assist the FRTG Instrumentation engineers in carrying out this activity. If required, the level sensor along with its electronics may have to be recalibrated in a sodium set-up. The contractor shall assist the FRTG engineers in carrying out the same as and when required. Monthly once the sensors are to be checked.

Break-down Maintenance

The fault should be traced and identified either to the sensor or the electronics. If it is attributed to the sensor, its healthiness should be checked through measuring coil's continuity, their resistance and insulation resistance, checking cable cold end seals, the terminal connectors and continuity of signal cables. If the coils made of 1 mm dia. Mineral insulated cable is found to be defective due to break in its copper conductor or very low insulation resistance which could not be improved, it must be replaced with a new one. The improving of insulation resistance and winding of new coils on the former shall be as per the procedures laid down. If the break down is attributable to the electronics, then it must be checked. It is housed in a 19" rack consisting of modules catering to the different functions such as Power supply, Constant current source, Signal amplifier and sodium temperature compensating circuits and Trip amplifier. The test points are made available on the front facia of the modules and they must be measured and compared against the reference values recorded during sodium calibration. The defective module shall be identified and replaced with a spare one. Later the defective module must be rectified for later use. The electronics after repair may require calibration check. It shall be done as per the dry calibration procedure established, based on the sodium calibration data.

9.1.2 Discontinuous level sensor

Preventive maintenance

The surveillance checks on the Discontinuous level sensor system shall be carried out at stipulated intervals. The parameters such as voltage and current levels across and through the sensor and the components in the current source shall be measured and recorded. The test point voltages on the detector module in the electronics shall be measured and recorded. In-situ tests shall be carried out which checks the healthiness of the whole system. Monthly once the sensors to be checked.

Breakdown maintenance

The cause for the break down shall be traced and identified either to the sensor, or the constant current source or the electronics. The sensor resistance value shall be measured and compared with the value inscribed in the name plate details on the sensor head. The resistance values shall be measured with the sensor in and out of contact with sodium and must be compared with the values obtained during the previous surveillance checks. The cold seal pots and the terminal connectors shall be checked. The constant current source shall be checked for its healthiness. The components such as Transformers, Rheostats, the terminal connectors etc shall be checked. The voltage and current values measured shall tally with those obtained during the previous surveillance check. The electronics module shall be checked for its healthiness. The test points such as DC power supply

voltage, signal input voltage, detector threshold voltage etc. available on its front facia shall be measured and compared with the reference values. The defective components of the current source or the electronic module shall be replaced with spare ones. Later the defective module shall be rectified for future use. If the sensor is found to be defective, the contractor should intimate the FRTG Instrument engineer and the sodium rig in-charge who would arrange to remove the defective sensor and replace a new one.

9.2 Sodium Leak Detectors

9.2.1 Sodium Aerosol Detection (SAD) system

Preventive maintenance

The surveillance check shall be carried out at stipulated intervals. In the electronics, the values for the filament current, high voltage, Alarm threshold values shall be recorded, and any deviation from the rated values shall be corrected. Rotameter reading shall be recorded and deviation, if any, shall be corrected. The ion current amplifier shall be checked for its calibration and the Alarm circuit shall be tested for its operation. Control room indications with respect to SAD system healthiness and 'High ion current' alarm shall be checked. At specified intervals, SAD system effectiveness shall be checked by burning a small quantity of sodium in rig area. The maintenance engineers shall assist FRTG Instrumentation engineers in carrying out the operation. Weekly once the detectors are to be checked.

Breakdown Maintenance

SID shall be checked for filament failure, which is the only element of the detector needing replacement at the end of its life, say, every three months. The electronics consists of different functional modules of 3U height housed in a 19" rack. The modules are D.C power supply, Ion-current (logarithmic) amplifier, H.V supply, Trip amplifier, and constant current supply for the filament with current cycling circuit. The electronics automatically indicates failure in any of the following variables viz-Low filament current, H.V failure. Test points are available in all the modules which would indicate its healthy operation or otherwise. Defective modules shall be replaced with spare ones. Later the defective modules shall be repaired for future use as spare. Rated air flow should be ensured through the detector in the sampling system. Normal functioning of the rotameter and the blower shall be ensured.

10.0 Maintenance of Hard wired Interlock system

Hard wired Interlocks are located at various places in FRTG. The scope of the work is as follows:

Preventive Maintenance

It shall be done to ensure proper operation of equipment. Addition of new interlocks according to process need should be done. After addition or modification necessary checks shall be conducted in the presence of FRTG engineer. Hard wired interlock system should be checked for proper functioning or tripping of equipment. Monthly once the logics to be checked.

Breakdown Maintenance

If there is any fault in the relay, power supply or lamp indication the same may be replaced which is under the scope of the contractor.

11.0 Maintenance of PLC based Interlock system

PLC based controls are located at various places in FRTG. This system consists of KOYO make PLC system in Hall I & III, Messung PLC, Siemens PLC. The scope of the work is as follows:

Preventive Maintenance

Checks shall be done by simulating the process conditions by feeding mV / mA from the calibrator. Modification of interlock is also under the scope of contract if process demands. Monthly once the logics are to be checked.

Break down Maintenance

Any failure in card should be identified and card level replacement is required. If any I/O fails assign it to other points and change the program accordingly. Spare cards will be under the scope of IGCAR

12.0 Maintenance of Data Loggers and its user Interface

Data loggers are available in Hall 1 and Hall III of FRTG. It consists of HP DAS and PC based DAS. The scope of work is as follows:

Preventive Maintenance

If any channel is not reading the values, the cable should be traced and then feed mV and check the card performance. If there is a fault in the card, configure it to another channel. If there is any card or CPU fault, Card level replacement should be done. User Interface should be maintained. If it got corrupted it should be reloaded again and make the system normal. Yearly once the system is to be checked.

13.0 Maintenance of DACs and its User Interface

Data Acquisition cum Heater control systems are available in Hall III of FRTG. It consists of 8085 based DACs, MTL KOYO 405 based DACs, ADAM make DACs. The scope of work is as follows:

Preventive Maintenance

Calibration of all channels are required by feeding the mV and check for proper controlling of heaters. Frequent changes of set points should be done according to process needs by programming the EPROM or changing the C executable file. In case of problems it should be reconfigured to another channel. Changing of Control T/C to monitor thermocouple should be done by changing the program. Yearly once the system is to be checked.

Breakdown Maintenance

Card level replacement or component level replacement is required for rectifying the problem. Frequent Calibration is required in case of 8085 based system. Maintenance of User Interface is under the scope of the contractor. If the PC hangs or any printer problem is encountered it should be analysed and contractor should rectify the fault.

14.0 Maintenance of SCADA systems

Instruments are located at various places in FRTG. The scope of the work is as follows:

14.1 Maintenance of L&T system in SGTF

This system consists of a Quantum CPU with power supply, CPU and remote master modules, which is connected to 3 remote I/Os (U84H processor) in multi-drop fashion. It supports the following modules:

1. Digital input module (32 pt, 24 VDC)
2. Digital output module (32 pt, 24 VDC)
3. Analog input module (8 ch, 4-20 mA)
4. Analog output module (4 ch, 4-20 mA)
5. RTD input

The programming software is CONCEPT and the MMI software is Intellution. The scope of work is as follows:

1. There are a total of 800 tags in use with a possible expansion of 20% as spare. Any modification or inclusions in tags should be carried out.
2. Any card level fault should be identified and rectified or otherwise modular replacement should be done.
3. Modifications if required should be done in CONCEPTS as well as in MMI.
4. PC dedicated for MMI should be maintained.

14.2 Maintenance of ECIL system in SGTF

This consists of micro controller based DAS and leak detection system connected to a server by Ethernet. The scope of work is as follows

1. Any changes in set points, grouping leak points should be done.
2. Modifications in mimics or any user interface should be carried out.
3. Modifications or introduction of interlocks should also be carried out.
4. Card level maintenance should be carried out.

14.3 Maintenance of In-house developed SCADA system in HALL-1

In TRIM loop the system is an integrated one with 4 nos. of ADAM controllers, 2 nos. of PID controllers and 2 nos. of KOYO PLC all connected to a central PC through RS 232 Communication. The scope of work is as follows

1. Interlocks should be modified or new interlocks should be introduced whenever required.
2. Changes in set points should be done.
3. User interface along with its dedicated PC should be maintained.
4. Replacement of modules in case of failure.

14.4 Maintenance of National Instrument based Data Acquisition Analysis and Control system

This system is located in Hall II. The system consists of: 128 nos. of T/C signal Conditioning Unit with inbuilt power supply, 128 nos. of Process Signal Conditioning Unit with inbuilt power supply, Data Acquisition & Control Unit consists of embedded controller, 2 nos. of 8 channel Analog Input Card and 2 nos. of Analog output card with 16 channel each. Signal conditioning modules

are connected to DAC unit through a pair of cable. DAC unit is connected to Central Computer through Ethernet Communication where data's are monitored stored and analysed. This program was developed in house in C++. The scope of work is as follows:

1. Addition of new Inputs and outputs should be wired according to process requirement.
2. Configuration of Inputs and Outputs is also under the scope of contractor.
3. Implementation of new controls or modification is also under the scope of the contractor.
4. In case of failure cards should be replaced or reconfiguration of input to other channels
5. Maintenance of PC and any hanging problems should be sorted out.
6. 25 % of the instruments should be checked periodically once in 3 months.

14.5 Maintenance of SCHNEIDER MAKE hot standby dual redundant DAC system for SFCT

This system consists of quantum CPU, with power supply, communication and remote I/O racks which are connected in multi drop fashion. IT supports analogue and digital type inputs and outputs.

Digital Input	- 216 Nos.
Digital Output	- 128 Nos
Analog Input	- 332 Nos.
Analog Output	- 24 Nos

The programming software is UNITY PRO and SCADA is VIJEO CITECT. The scope of work is as follows

1. Any changes in set points, grouping leak points should be done.
2. Modifications in mimics or any user interface should be carried out.
3. Modifications or introduction of interlocks should also be carried out.
4. Card level maintenance should be carried out.

14.6 Maintenance of Delta and MTL make control system for STC

The system consists of electronic chassis housed Instrument Panels (CIP) and Field Instrument Panels (FIP) in the Control Room, interfaced with field sensors distributed across the facility. The Delta make PLC executes safety interlocks and logic sequences essential for process safety, while the MTL make PLC performs data acquisition and automatic temperature control of sodium pipelines and components. The scope of work is as follows:

1. Addition of new Inputs and outputs should be wired according to process requirement.
2. Configuration of Inputs and Outputs is also under the scope of contractor.
3. Implementation of new controls or modification is also under the scope of the contractor.
4. In case of failure cards should be replaced or reconfiguration of input to other channels
5. Maintenance of PC and any hanging problems should be sorted out.
6. 25 % of the instruments should be checked periodically once in 3 months.

15.0 Maintenance of Fire Alarm System

Fire Alarm Systems are located at various places in FRTG. The scope of the work is as follows:

1. Maintaining the electronics
2. Calibration of the sensors
3. 25 % of the instruments should be checked periodically once in 3 months.

16.0 General Scope of work and Technical Specifications

The Instrumentation and Control systems have been procured over a period of last 15 years from various vendors viz. Siemens, Schneider, ECIL, MTL India, L&T, National Instruments, Advantech products such as ADAM and others. The I&C systems are distributed in FRTG. Architecture differs from system to system available in experimental loops of FRTG.

16.1 Preventive Maintenance

- a. Routine Preventive checks shall be conducted in the presence of FRTG engineer such as leak, Level, SID, Logic functioning, Calibration of transmitters and controllers. The instrumentation path from field instruments to Final Control element is under the scope of the contractor.
- b. All instruments, PCBs and Panels should be cleaned and ensured that they are dust free.
- c. All mechanical parts should be serviced during Preventive Maintenance

16.2 Requirements for maintenance

- a. All safety precautions shall be observed as stipulated by the FRTG Engineer. All the personal protective equipments shall be provided by the contractor to their employees.
- b. The contractor shall be liable for any damage to the equipment which are directly handled by him or activities during the currency of the contract.
- c. The contractor shall be located near and around Kalpakkam and shall be available for emergency works.
- d. The contractor shall respond to maintenance calls within a reasonable time.
- e. The contractor shall be responsible for removing and refixing of instruments to the actual site of work including loading and unloading of instruments and tools as required.
- f. The contractor should arrange his own conventional testing equipment required for the tests to be carried out at site.

16.3 Specific Terms and conditions

- a. Necessary cable laying, ferruling, terminating and rerouting is under the contractor's scope in case of modifications.
- b. Programming of instruments and configuration shall be done by the contractor.
- c. Contractor should provide component level servicing wherever is feasible.
- d. The contractor should keep minimum level of consumables such as fuse, indication lamps, push buttons, nuts, washers, gaskets and resistors at site to provide timely service

17.0 The contract will be carried out by works procedure through measurement book.

18.0 Duration of Work is for TWO years.

3. INSTRUCTION & GUIDANCE TO TENDERER

3.1. Submission of Tender:

- (a) Tender shall be deemed to have been submitted after careful study and examination of the tender document with full understanding of its implications.
- (b) Submission of a tender by a Tenderer implies that he has read and understood this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and local conditions and factors having a bearing on the execution of the work.
- (c) All information called for should be furnished against the relevant columns in the forms. If for any reason, information is uploaded on a separate sheet, this fact should be mentioned against the relevant column. Even if no information is to be provided in a column, a "nil" or "no such case" entry should be made in that column. If any particulars/query is not applicable in case of the Tenderer, it should be stated as "not applicable". The Tenderers are cautioned that furnishing incomplete information in the tender forms or deliberately suppressing the information may result in the tender being disqualified.
- (d) No additional information shall be entertained after submission of the tender unless it is called for by Director, IGCAR.
- (e) Any information furnished by the Tenderer found to be incorrect either immediately or at a later date, would render him liable to be debarred from tendering/taking up of any job/work in IGCAR.
- (f) The Technical-cum-Financial Bid of the tender should be valid for a minimum period of 120 days from the last date of closing of online submission of tender. Tenderer shall not be entitled to revoke or cancel the tender or to vary the tender submitted or in terms thereof during this period of One Hundred Twenty days, without the consent in writing of Director IGCAR.

3.2 Bid Opening: In the event of the date specified for opening of bid being declared holiday, the Bid will be opened at the appointed time and location on the next working day.

3.3 Clarification of Bid:

- (a) When deemed necessary, the Department may seek clarifications on any aspect including any document from the Bidder. However, that would not entitle the Bidder to change or cause any change in the substance of the Tender submitted or price quoted.
- (b) During the course of evaluation of the bid, in case it is found that any of the documents prescribed has not been furnished, such shortfall document will be called for and the same shall be furnished within the prescribed period.
- (c) The shortfall information / documents should be sought only in case of historical documents which pre-existed at the time of the tender opening and which have not undergone change since then. So far as the submission of documents is concerned with regard to qualification criteria, after submission of the tender, only related shortfall documents should be asked for and considered. For example, if the bidder has submitted a work order without its completion/ performance certificate, the certificate can be asked for and considered. However,

no new work order should be asked for so as to qualify the bidder.

3.4 Acceptance and Rejection of Bid: Competent Authority on behalf of President of India reserves to himself the authority to reject any or all of the tenders. Tenders, in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the Tenderer, shall be liable to be rejected.

3.5 Scrutiny of Bids:

Bids will be scrutinized to ascertain –

- (a) That the Power of Attorney inter-alia includes a provision to bind the Bidder to settlement of disputes clause.
- (b) That the bid is conforming to all the terms, conditions and specification of the Tender Document, without affecting in any substantial way the scope, quality or rendering of service.
- (c) That the bid does not limit in any substantial way, the Department's rights or the bidder's obligations under the contract.
- (d) That the bid does not contain any rectification that would affect unfairly the competitive position of other bidders.

3.6 Evaluation of Bids:

Estimated Cost of tender: The estimated amount of tender (as given below) is the sum of minimum wages for the contract workers during contract period including GST. The estimated amount is exclusive of EPF, ESI and bonus:

Item No	Description of item	Qty (Operations)	Unit	Rate Rs.	Amount
1	Periodical preventive and breakdown maintenance of Data loggers (HP and PC based), PLC based interlock system (KOYO, Siemens, Messung, ADAM, Schneider, ECIL, Delta, MTL), Data Acquisition and Control Systems (National Instrument), SCADA system (Vijeo Citect), fire alarm panels sodium level and sodium flow measuring instruments, sodium leak detection instruments and high temperature ultrasonic transducers, and surveillance data logging. Note: These are highly skilled operations that require high capability to make software modifications in PLC, DAS and SCADA under the guidance of department personnel.	2112	Each Operation	918	19,38,816.00

2	Periodical preventive and break down maintenance of Hardwired interlock system, analytical (oxygen analyser, conductivity meter, pH meter), pressure (pressure gauges, pressure switches, DP switches, diaphragm sealed pressure gauges) and temperature (Thermocouples, RTDs) instruments, fire alarm sensors. Note: These are skilled operations that require ability to perform sensor, component and card level servicing needed for performing the above mentioned works.	1584	Each Operation	781	12,37,104.00
3	Preventive and breakdown maintenance of indicators, controllers, recorders, limit switches, valve position indicators, annunciators, changing of setpoints in process instruments according to process requirement, calibration of transmitters, periodical checking of fire alarm system, necessary cable routing, terminating and ferruling. Note: These are semi-skilled operations that require capability to service small components like limit switches, position indicators, recorders, etc as mentioned above.	1584	Each Operation	650	10,29,600.00
4	Laying of cables, cable trays, fixing and dismantling of sensors at field, periodic cleaning of panels and water facility to ensure they are dust free. These are un-skilled operations that require ability to perform servicing under the guidance of technicians.	528	Each Operation	556	2,93,568.00
Sub Total (A)					44,99,088.00
Add GST @ 18%					8,09,835.84
Total					53,08,924.00

The tenderer shall quote as per the format given in section-VI Annexure-A Financial Bid.

3.7 Award of Contract:

- (a) The successful bidder will be issued with a Letter of Intent with request to deposit Performance guarantee in any form prescribed under Clause 5.2, within a period of fifteen days from the date of issue of Letter of Intent.
- (b) Upon receipt of Performance guarantee a work order will be issued to the successful bidder to commence the service within a period of fifteen days from the date of issue of Work order.

4. GENERAL CONDITIONS OF THE CONTRACT

- 4.1. The intending bidder and the prospective agencies shall be required to possess the following documents with them separately, which shall form part of Tender Documents for this work: -
 - a. The General Terms and Conditions on GeM portal and
 - b. Service Level Agreement (SLA) on GeM portal for Facility Management Service – Lumpsum based.
- 4.2. These documents can be downloaded from the GeM website <https://gem.gov.in>.
- 4.3. The bidders must read the terms and conditions carefully and shall abide the terms and conditions contained therein.
- 4.4. The terms & conditions stipulated in SLA will supersede those in GTC and terms & conditions stipulated in this tender document (ATC) will supersede those in GTC and SLA in case of any conflicting provisions.

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5. SPECIAL CONDITIONS OF CONTRACT**5.1 Earnest Money Deposit:**

- (a) The tender must be accompanied by the Earnest Money Deposit **Rs.1,07,000/- (Rupees One Lakh Seven Thousand only)** EMD shall be submitted by way of Demand Draft, PO, FDR or Banker's Cheque in favour of Pay & Accounts Officer, IGCAR. Insurance Surety Bond in favour of President of India / MSE certificate will also be accepted. Cash, Cheques and Bank Guarantee for EMD will not be accepted.
- (b) Small or Micro firms having valid MSE certificate and service providers exempted from EMD submission as per GeM GTC are exempted from EMD. However, they are required to furnish the MSE certificate/ proof of exemption instead of EMD. Traders as Major Activity are excluded from the purview of this exemption.
- (c) Tenders without EMD or Tenders not accompanied by MSE certificate/ concerned proof of certification as prescribed will be rejected.
- (d) EMD in respect of unsuccessful Bidders will be returned without any interest only after publishing financial evaluation status of bidders on GeM portal.
- (e) EMD of the successful bidder shall be returned after receiving the Performance Guarantee.
- (f) 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 the earnest money absolutely. Further the tenderer shall not be allowed to participate in re-tendering process of the work.
- (g) If the successful bidder fails to remit the Performance Guarantee in any of the forms prescribed within a period of 15 days from the date of issue of Letter of Intent, it will be concluded that the successful bidder is not willing/unable to provide the service as per the bid submitted by him. In such case, the EMD will be forfeited without further correspondence in this regard. Further, the Tenderer shall not be allowed to participate in the retendering process.
- (h) If the successful MSE bidder 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 (or) fails to remit the Performance Guarantee in any of the forms prescribed within a period of 15 days from the date of issue of Letter of Intent, it will be concluded that the successful bidder is not willing/unable to provide the service as per the bid submitted by him. In such case, the Firm will be debarred for a period of One year without further correspondence in this regard. Further, the Tenderer shall not be allowed to participate in the retendering process.

5.2 Performance Guarantee:

- (a) In case of successful Tenderer, the Tenderer shall deposit an amount equal to 3% (three percent) of the work order value as irrevocable Performance Guarantee in

one of the following forms within a period of 15 days from the date of issue of Letter of Intent:

i) Demand Draft / Bankers Cheque / PO in favour of Pay & Accounts Officer, IGCAR.

Or

ii) Fixed Deposit Receipt (FDR) of State Bank of India/Scheduled Bank pledged in favour of Pay & Accounts Officer, IGCAR.

Or

iii) An irrevocable Bank Guarantee (BG) in the form prescribed by the Government from a Scheduled Bank.

- (b) The Performance Guarantee shall be initially valid upto the stipulated date of completion plus 2 months beyond that and in addition a claim period of 6 months shall be given. In case the time for completion of work gets enlarged, the contractor shall get the validity of performance Guarantee extended to cover such enlarged time for completion of work. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the contractor, without any interest.
- (c) The GeM Contract Order will be generated only after the said Performance Guarantee in any one of the prescribed form is received and accepted.
- (d) In case, the Tenderer fails to commence the operations within fifteen days from the date of issue of work order it will be concluded that the successful bidder is not willing/unable to provide the service as per the bid submitted by him. In such case, the Performance Guarantee will be forfeited without further correspondence in this regard. Further, the Tenderer shall not be allowed to participate in the retendering process.
- (e) The Performance Guarantee shall be forfeited, if the contract is terminated due to failure on the part of the contractor to provide services for the entire period of the contract including period of extension, if any.
- (f) The Performance Guarantee will be discharged after completion of contractor's performance obligation under the contract. No interest is payable on the Performance guarantee.

5.3 Security Deposit:

- (a) In addition to above, the successful tenderer is required to remit Security Deposit amount of 2.5% of the tendered value which shall be deducted at 2.5% of the gross amount of each bill, till total Security deposit is recovered.
- (b) The Security Deposit shall be forfeited, if the contract is terminated due to failure on the part of the contractor to provide services for the entire period of the contract including period of extension, if any.
- (c) The entire Security Deposit shall be refunded after completion of contractor's performance obligation under the contract. No Interest is payable on the Security Deposit.

5.4 Rates and Charges:

- (a) The tenderer shall quote only service charges as a percentage rate on the total estimated amount and it shall remain fixed throughout the contract period including period of extension, if any.
- (b) Service Charges quoted as a Percentage of Estimated Cost is to be in whole nos. with two decimal points.
- (c) If a tenderer quotes NIL or less than 3.85 percentage as Service Charges on estimated cost calculated for the purpose of Notice Inviting Tender or if the service charges quoted/offered in the bid is ambiguous such tender shall be treated as invalid/ a bid with “NIL” charges/consideration, unresponsive and will not be considered.
- (d) Payment of Service Charge to the Contractor shall be only on the Minimum wages as notified by Chief Labour Commissioner (Central), New Delhi from time to time. GST, EPF, ESI, bonus, VDA etc., shall not be taken into account for the purpose of payment of service charges.
- (e) The percentage rate of service charges quoted by the tenderer shall be deemed to include all incidental expenses and administrative charges incurred by him towards overhead/ uniform, realizing payment of taxes, GST, EPF, ESI and all other payment to various statutory authorities related to execution of this contract, such other and charges for any minor details/items of work which are obviously and fairly intended and which may have not been included in these documents but which are essential for the execution and entire completion of the work.
- (f) Any enhancement/escalation due to revision in wages / VDA and statutory payments like GST, ESI /EPF/Bonus etc., shall only be reimbursed to the contractor subject to production of proof of payment. No claim for enhancement of the rate of quoted percentage will be entertained.
- (g) Any dispute regarding any minor details/items of work obviously and fairly intended and may have not been included in this document shall be referred to the Accepting Officer – Director, IGCAR. decision given by the Director, IGCAR shall be final and binding on both the parties.

5.5 Validity period of rate: The service charges quoted as a percentage rate on the total estimated amount should be firm and it shall remain fixed throughout the contract period including period of extension, if any.

5.6 Price escalation

- (a) The prevailing rates of minimum wages are given in Para. 5.10.
- (b) During the period of contract, as and when the minimum wages for Central Government are revised by the Chief Labour Commissioner, then the rates payable for each category of manpower shall be revised to the new minimum wages. The contractor shall be liable to pay the revised minimum wages to the labourers from the date the new minimum wages becomes effective and produce proof of payment of revised minimum wages along with the monthly bill for reimbursement.

- (c) Any extension of contract for a further period of twelve months or part thereof on mutual consent shall be on the same terms and conditions. In case the contractor is not willing to extend the validity of the contract beyond a period of one year, the contractor shall give three months' notice prior to expiry of the contract period.

5.7 Quality of work: Director, IGCAR shall be the final judge of the quality of the work and the satisfaction of the standards in respect thereof set forth in the contract documents. Laxity or failure to enforce compliance with the contract documents by the Officer-in-Charge/authorized representative shall not manifest change or intent of waiver, the intention being that, notwithstanding the same, the Contractor shall be and remain responsible for complete and proper compliance with the contract documents and the specification therein. The Competent Authority has the right to prohibit the use of men/women and any tools, materials or equipment which in his opinion do not produce work or performance meeting the requirement of the Contract Documents.

5.8 Penalty

- (a) The Tenderer will be required to strictly adhere to the terms and conditions of the contract and provide satisfactory service, failing which competent authority shall have liberty to levy the penalty and terminate the contract as per conditions detailed in Service Level Agreement (SLA) for Facility Management Service (Lump sum based) of GeM.
- (b) Competent Authority's decision in this regard shall be final and binding on the Contractor.

5.9 Taxes and Levies: All taxes and levies except GST shall be payable by the Tenderer and Department will not entertain any claim whatsoever in respect of the same. The Department shall not be responsible for any increase in any duties, levies, or taxes in respect thereof whatsoever during the period of contract and during the period of extension if any, and the Contractor rates and Contractor's obligation shall remain unaffected by such escalation and/or increase.

5.10 Payment of wages

- (a) The contractor shall be solely responsible for payment of minimum wages and other statutory dues to the workers engaged by him. The rate of minimum wages shall be the wages notified by the Chief Labour Commissioner (Central), New Delhi which are applicable to Central Government Departments as per the Code on Wages, 2019. The prevailing rate of minimum wages notified by Chief Labour Commissioner (Central), New Delhi vide Order F.No. 1/6(3)/2025-LS-II dated 30.03.2026. for the Schedule Employment "Construction or Maintenance of Roads or Runways or in Building Operations including laying down underground electric, wireless, Radio, Television, Telephone, Telegraph and overseas communication cables and similar other underground cabling work, Electrical Lines, Water Supply lines and Sewerage pipe lines tabulated below:

Category of worker	Rates of Minimum wages w.e.f. 01-04-2026 (Zone-C)
Highly skilled	918
Skilled	781
Semi-Skilled	650
Unskilled	556

- (b) It is open to the contractor to pay wages more than the prescribed minimum to the labours employed but payment of charges towards cost of labour by IGCAR to the contractor at the time of monthly bill will be restricted to the prevailing minimum wages i.e. to the statutory minimum even if the labour is paid higher than minimum wage by the contractor.
- (c) Contractor shall pay wages to his employees within 07 days of completion of each month. The payment of wages to the workers by the contractor should not be stopped or linked to the clearance or passing of monthly bills submitted for this work.
- (d) Contractor shall ensure that the wages paid to the contract labours employed by him is done directly to individual labourer's bank account. Default in payment of salary/wages or other dues to staff deployed shall constitute a breach of the Contract and shall entitle the Department to terminate the Contract and forfeit security deposit.
- (e) If any complaint is received from any person of the contractor regarding non-payment of wages, necessary recovery will be made from the amount due to the contractor and payment made to the labourer, without prejudice to action for termination of the contract without any notice/ clarification.

5.11 Terms of Payment

- (a) The monthly bill of the contractor should be annexed with daily attendance sheet and proof of remitted wages to bank maintained by the Contractor and endorsed by Officer-In-Charge/ Authorised representative. Payment towards executed items and claim towards employer's contribution to ESI, employer's contribution to EPF and Bonus (if any) will be paid only on production of proof of payment. Reimbursement of GST will be paid on production of Payment receipt/ Invoice. It is the sole responsibility of the contractor to ensure compliance.
- (b) The Contractor will raise an invoice in duplicate on monthly basis in the following format. The firm shall indicate the Invoice No., Work Order No., Title of Work, PAN No and GST No. in the invoice and submit the same duly signed & stamped.

Monthly bill for **Maintenance of general and sodium instrumentation systems in FRTG** for the month of : _____

Invoice No.	Date:			
Work Order No.				
Name of the Work				
Period of contract	From date		To date	
Extension period, if applicable	From date		To date	
PAN		GST Number		

S.No	Description	Total amount claimed
1.	Cost of Executed Item (Cost of Service - Proof of payment of current monthly wages to be attached)	
2.	Service charges @____% quoted (on 1 above)	
3.	EPF/ESI paid (proof of payment for the previous month to be attached)	
4.	VDA Reimbursement (proof of payment to be attached)	
5.	GST @18% (on 1 & 2 above)	
Total		

Signature of the Contractor
Name and seal

(c) The contractor shall submit following documents with bill:

(i). Details of Staff engaged in the following format:

Maintenance of general and sodium instrumentation systems in FRTG for the month of _____

Sl. No.	Name of the contract labourer	Details of Bank Account with A/C No., Name of the Bank, IFSC Code.	EPF Registration Number	ESI Registration Number

Signature of the Contractor

Name and seal

Signature of Authorized Representative

Name:
Designation:

- (ii). Attendance sheet in the following format duly signed by IGCAR representative:

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	-
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Name of labourer																

Signature of the Contractor

Signature of Authorized Representative

Name and seal

Name:

Designation:

- (iii). Statement of payment of wages for the month of _____

Sl. No.	Name of the contract labourer	Details of Bank Account with A/c No., Name of the Bank and IFSC Code	No. of days present	Wages paid	EPF paid	ESI paid	Total wages

Signature of the Contractor

Signature of Authorized Representative

Name and seal

Name:

Designation:

- (d) Income Tax, TDS as applicable will be deducted from the bill and it will not be reimbursable. No advance payment shall be paid to the Contractor under any circumstances during the tenure of this Contract.
- (e) Payment of wages towards cost of labour by IGCAR to the contractor at the time of monthly bill will be restricted to the prevailing minimum wages i.e. to the statutory minimum even if the labour is paid higher than minimum wage by the contractor.
- (f) Payment towards employer's contribution to ESI/ EPF, bonus will be reimbursed only on submission of documentary proof of payment and payment of GST will be reimbursed on production of Payment receipt/ Invoice. Employer's Contribution of all components of EPF such as EPF (Employees' Provident Fund), EPS (Employee Pension Scheme) and EDLIS (Employees Deposit Linked Insurance Scheme) will be reimbursed to contractor on submission of documentary proof (from EPF and ESI authorities).
- (g) Reimbursement of employer's contribution towards ESI/EPF and bonus shall be calculated on the basis of actual number of employees deployed which is invariable to the number of manpower specified in the schedule considering the labours deployed on weekly day of rest. Reimbursement shall be paid to contractor by the Officer-in-Charge on satisfying himself that the contractor has actually and genuinely paid for this work.

- (h) The wages for workers shall be paid before 7th of every month without fail through their respective Bank Accounts under intimation to the Officer-in-Charge. The payment of wages to the workers by the contractor should not be stopped or linked to the clearance or passing of monthly bills submitted for this work.
- (i) The amount of service charge will be calculated at quoted percentage rate on total sum of cost of actual executed service operations engaged.
- (j) In case of any dispute, Director, IGCAR reserves the sole right to decide the rate of payment to the party.

5.12 Indemnification of Government

- (a) The Tenderer shall be bound to bear all the expense of defense of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to any neglect or resistance and to pay any damages and costs which may be paid to compromise any claim by any persons.
- (b) The Tenderer shall indemnify and keep indemnified, the Government against all losses and claims for injuries or damages to any persons or any property whatsoever which may arise out of or in consequence of the tender and it shall be the tenderer's responsibility to make necessary arrangements in this respect at his own cost.

5.13 Confidentiality:

The Contractor shall ensure at all times that, without the consent of IGCAR in writing, not to divulge or make known any trust, accounts matter or transaction undertaken or handled by the IGCAR and also shall not disclose any information about the affairs of IGCAR/Department. This clause however does not apply to the information, which becomes public knowledge.

5.14 Corrupt Practices

During the course of Contract, if any of Contractor's personnel or the Contractor are found to be indulging in any corrupt practices causing any loss of revenue to the Department, the Department shall be entitled to terminate the Contract forthwith duly forfeiting the Contractor's Performance Guarantee and Security Deposit without prejudice to any other right or remedy that the Department may have against the Contractor.

5.15 Non-Performance of Contract

In case of termination of the Contract by the Government due to non-execution of work/under performance or withdrawal of service by the contractor without giving a notice period of three months in advance, Performance Guarantee, Security Deposit as well as pending dues shall be forfeited and the defaulter Contractor will be black listed for a period which competent authority may deem fit.

5.16 Arbitration:

- (a) All disputes and differences arising out of or in any way touching or concerning the contract whatsoever except as to any matters, the decision of which is specially provided by these conditions, shall be referred to the sole arbitration of Director, IGCAR or to the sole arbitration of such other person nominated by him. There shall be no objection that the arbitrator is an employee of the Government or that he had to deal with the matters to which this agreement relates and that in the

course of his duties as government employee he had expressed his views on all or any of the matters on dispute or difference.

- (b) Any award of the said Director, IGCAR or the Arbitrator appointed by him shall be final and binding on the parties to this agreement. In case of non-cooperation of either party, the Arbitrator shall adjudicate the issue ex-parte and give his award accordingly.
- (c) It is the terms of the contract that in the event of the Director, IGCAR to whom the matter is originally referred, being transferred or has vacated his office for any reason, his successor in office shall be deemed to have been appointed the sole arbitrator in accordance with the terms of the agreement. He shall be entitled to proceed with the reference from the state at which it was left by his predecessor and the provision of this clause shall apply.
- (d) In the event of the Director, IGCAR or the person nominated by him as an arbitrator being removed by an order of a Court the reference shall stand exhausted.
- (e) The Venue of the Arbitration proceedings shall be Office of Director, IGCAR or such other place as the Arbitrator may decide.
- (f) To all such proceedings, the provision of Indian Arbitration Act, 1949/ Arbitration & Conciliation Act, 1996, shall apply.

5.17 Jurisdiction: In case of any dispute arising on the above Contract, the Courts in Chengalpattu / Chennai will have the sole jurisdiction to hear the case.

5.18 Force Majeure: As per GeM GTC

5.19 Contract Agreement: A Contract Agreement has to be entered into within one month of commencement of operations. The Notice Inviting Tender and ATC as tender document Letter of Intent, Work Order (GeM Contract order), GeM GTC, GeM SLA and other relevant correspondence, with the successful bidder shall form part of the Contract Agreement (duly signed on all the pages) and deemed to be a single composite agreement/contract and are not severable.

5.20 Canvassing:

- (a) Canvassing either directly or indirectly, in connection with the Tenders is strictly prohibited.
- (b) Tenders submitted by the Contractors who resort to canvassing will be liable to rejection.
- (c) Any act on the part of the Tenderer to influence any person in the Department is liable for rejection of his Tender.

5.21 If relative working in IGCAR then the contractor not allowed to tender

- (a) The contractor shall not be permitted to tender for works in the IGCAR (Responsible for award and execution of contracts) if his near relative is posted

and/or working as AO/AAO (or) as an officer in any capacity in the grades of SO/C / TO/C and above in IGCAR.

- (b) Bidder shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted Officer in DAE. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department. If, however the contractor is registered in any other department, he shall be debarred from tendering in IGCAR for any breach of this condition.

NOTE: By the term "near relatives" is meant wife, husband, parents and grandparents, children and grandchildren, brothers and sisters, uncles, aunts and cousins and their corresponding in-laws.

5.22 Bidder's Obligation for engagement of Labour:

- (a) The manpower engaged by the contractor for executing jobs is purely the responsibility of the contractor and they will not have any claim/liability on IGCAR.
- (b) For all intents and purposes, the contractor shall be the "Employer" within the meaning of different Labour Legislations in respect of manpower so employed and deployed in this office. The manpower deployed by the contractor in this office shall not have claims of any Master and Servant relationship nor have any principal and agent relationship with or against IGCAR/DAE.
- (c) The Contractor shall obtain necessary labour license before commencement of work under this Contract and copy of the same shall be submitted.
- (d) Any emergency work arises, the contractor may be called upon for the services on Saturday, Sunday, holidays and after 05.30hrs. The contractor shall arrange manpower to complete the work as instructed by Engineer-in-charge.
- (e) It will be the responsibility of the contractor to meet transportation, food, medical and any other requirements in respect of the persons deployed for this work and Department will have no liabilities in this regard.
- (f) The contractor shall be solely responsible for the redressal of grievances / resolution of disputes relating to person deployed. IGCAR shall, in no way, be responsible for settlement of such issues whatsoever. IGCAR shall not be responsible for any damages, losses, claims, financial or other injury to any manpower deployed by contractor in the course of their performing the functions/duties, or for payment towards any compensation.
- (g) The Contractor shall be solely responsible for any injury to or death of any third person caused due to Contractor or its staff's negligence. All liabilities arising out of accident or death shall be borne by the Contractor.
- (h) The Contractor shall ensure that the personnel deployed by him are courteous with pleasant manners and should project an image of utmost discipline.
- (i) The Contractor or his staff shall not accept any gratitude or reward in any shape from any employee.

- (j) The integrity of the personnel engaged by the Contractor should be beyond doubt. The Contractor shall verify and establish the character and antecedents of the personnel proposed to be deployed on duty.
- (k) The Contractor shall abide by and comply with all the relevant labour laws and statutory requirements and responsible to provide all the benefits to his staff.
- (l) The Contractor shall employ physically and medically fit personnel above 18 years and below 60 years of age only.
- (m) The remuneration including all statutory levies etc. of personnel employed for the purpose shall be borne by the Contractor. Default in payment of salary/wages or other dues to staff deployed shall constitute a breach of the Contract and shall entitle the Department to terminate the Contract and forfeit security deposit.
- (n) The Contractor shall be registered with the concerned authorities of Labour Department under Contract Labour (R&A) Act, 1970 and other applicable laws and follow guidelines with respect to labour laws. The Contractor shall comply with the various Labour Laws (both Central and State Government) and all necessary arrangements for labour security, insurance etc. in respect of the personnel employed by him shall be made by him at his own cost.
- (o) In case, the person employed by the successful Contractor commits any act of omission/commission that amounts to misconduct/indiscipline/ incompetence and security risks, the successful Contractor will be liable to take appropriate action against such persons, including their removal from site of work, if required by the Department within two days of being brought to their notice.
- (p) If the work of any personnel deployed is not satisfactory, the matter will be reported to the Contractor and the Contractor shall not deploy such personnel. The Contractor upon receiving a notice from this Department shall replace immediately any of its personnel who are found unacceptable to this Department because of security risks, incompetence, conflict of interest, improper conduct etc.
- (q) The person deployed by the Contractor shall not have any claim or be entitled to pay, perks and other facilities admissible to regular/confirmed employees of this Department during the currency or after expiry of the contract. In case of termination of this contract on its expiry or otherwise, the persons deployed by the Contractor shall not be entitled to and will have no claim for any absorption or for any relaxation for absorption in the regular/otherwise capacity in the Department.

5.23 If as a result of post payment audit or otherwise any overpayment is detected in respect of any work done by the Contractor or alleged to have been done by the Contractor under the Contract, it shall be recovered by the Department from the Contractor.

5.24 The Contractor shall not Sub-Contract full or part of the work order without written consent of Director, IGCAR/ Competent Authority.

5.25 In the event of any loss incurred by the Department, as a result of any lapse on the part of the Contractor which will be established after an enquiry conducted by

the Department, the said loss can be claimed from the Contractor upto the value of the loss. The decision of the Director, IGCAR/ Competent Authority will be final and binding on the Contractor.

- 5.26** If the Contractor is a partnership of two or more persons, all such persons shall be jointly and severally liable to the Department for the fulfillment of the terms of the Contract. Such persons shall designate one of them to act as leader with authority to sign. The partnership shall not be altered without the approval of the Department.
- 5.27** The Contractor shall provide the copies of relevant records during the period of Contract or otherwise even after the Contract is over whenever required by the Department.
- 5.28** The Contractor shall ensure full compliance with tax laws of India with regard to this Contract and shall be solely responsible for the same.
- 5.29** The Contractor shall submit copies of acknowledgements evidencing filing of returns every year and shall keep the Department fully indemnified against liability of tax, interest, penalty etc. of the Contractor in respect thereof, which may arise.
- 5.30** The Contractor shall indemnify and hold the Department harmless from and against all claims, damages, losses and expenses arising out of or resulting from the works/services under the Contract provided by the Contractor.
- 5.31** The contractor will be completely responsible for any damage to the property of the Department, any personal injury to the employees of the Department, or any other person(s) in the employment of the Contractor and absolve IGCAR from any claim and damages for entire period of contract.
- 5.32** Any liability arising out of any litigation (including those in consumer courts) due to any act of Contractor's personnel shall be directly borne by the Contractor including all expenses/fines. The concerned personnel of the contractor shall attend the court as and when required.
- 5.33** All the formalities, Rules and Regulations imposed by the State or Local Authority connected with execution of this work should be complied with by the contractor. The contractor shall abide by Municipal bye-laws, Rules and Regulations relating Code on Wages, 2019, and Labour Laws and also by the laws of State and Central Government, in force from time to time pertaining to his establishment including those employed by him directly. Any penalty or fine levied on account of negligence and breach of any Rules/Laws/ Regulations in force shall be borne by the contractor.
- 5.34** The Government will not provide any quarters or land for the accommodation of the Contractor personnel.
- 5.35** The personnel will abstain from taking part in any staff union and association activities or other demonstrations either by the Staff Union/Association or by the public which are detrimental to the interests of the Department.
- 5.36** The contractor shall be fully prepared to work at short notice in case of any

emergency. In case of any emergency work after office hours and on holidays, the contactor shall be contacted over phone or in person. In such circumstance he has to mobilize men and material to render the services at the earliest (within One hour) particularly, during natural calamities like heavy rain and cyclones etc.

- 5.37** All the documents like GST Registration Certificates, Taxation Certificates, labour license, comprehensive insurance cover for the liabilities in case of accident, etc., shall always be available with the contractor.

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SECTION – VI
ANNEXURE- A

Financial Bid for view

Name of work: Maintenance general and sodium instrumentation systems in FRTG.

Tender No. IGCAR/FRTG/IMAMC/2026/NIT/001

Name of Contractor					
Item No.	Item Description	Qty	Unit	Estimated Rate Rs. P	Total Amount Rs. P
1.0	Periodical preventive and breakdown maintenance of Data loggers (HP and PC based), PLC based interlock system (KOYO, Siemens, Messung, ADAM, Schneider, ECIL, Delta, MTL), Data Acquisition and Control Systems (National Instrument), SCADA system (Vijeo Citect), fire alarm panels sodium level and sodium flow measuring instruments, sodium leak detection instruments and high temperature ultrasonic transducers, and surveillance data logging. Note: These are highly skilled operations that require high capability to make software modifications in PLC, DAS and SCADA under the guidance of department personnel.	2112	Each Operation	918	19,38,816.00
2.0	Periodical preventive and break down maintenance of Hardwired interlock system, analytical (oxygen analyser, conductivity meter, pH meter), pressure (pressure gauges, pressure switches, DP switches, diaphragm sealed pressure gauges) and temperature (Thermocouples, RTDs) instruments, fire alarm sensors. Note: These are skilled operations that require ability to perform sensor, component and card level servicing needed for performing the above mentioned works.	1584	Each Operation	781	12,37,104.00
3.0	Preventive and breakdown maintenance of indicators, controllers, recorders, limit switches, valve position indicators, annunciators, changing of setpoints in process instruments according to process requirement, calibration of transmitters, periodical checking of fire alarm system, necessary cable routing, terminating and ferruling. Note: These are semi-skilled operations that require capability to service small components like limit switches, position indicators, recorders, etc as mentioned above.	1584	Each Operation	650	10,29,600.00
4.0	Laying of cables, cable trays, fixing and dismantling of sensors at field, periodic cleaning of panels and water facility to ensure they are dust free. These are un-skilled operations that require ability to perform servicing under the guidance of technicians.	528	Each Operation	556	2,93,568.00
Total Estimated Cost (A)					44,99,088.00
Service Charge (B = A x SC / 100) Excess (+)					% -
GST @ 18% ((C = (A+B) x 18%))					
Total Contract Value (D = A + B +C)*					-
*Value to be furnished as "Offer Price" on GeM Portal					
*Bidder should quote the same amount calculated above as "Offer Price" on GeM Portal. If there is difference between quoted lump sum amount as offer price on GeM and this calculated price breakup (above Total contract value), the bid will be summarily rejected.					

Important Note:

1. The service charge above quoted in percentage by the contractor shall take into account cost of contractor's Administrative charge, contractor's overhead charge, contractor's profit and financial charges being incurred by the contractor to carry out business etc.
2. **The minimum Service Charges has been fixed as 3.85% and the tenderer shall quote equal to or more than minimum charges of 3.85% over the total estimated cost (rounded off). If a tenderer quotes below the minimum fixed percentage on subtotal (A), such tender shall be treated as invalid. i.e if any tenderer quotes lump sum amount less than Rs. 55,13,317/- their bid will be summarily rejected. Also it is mandatory to fill the column meant for quoting percentage rate. If this column is left blank the tender become invalid.**
3. The bidder shall quote only Service Charge in percentage rate (in figures only without including any special character such as %, etc.,) above the estimated cost taking into account of various above mentioned cost in Note 1 and 2. The decimal point of percentage quoted shall be only up to two decimal points. Up to two decimal point of percentage quoted only will be considered for evaluation of the bid and for the billing purpose.
4. **Bid is liable for rejection if:-**
 - i. The contractor quotes service charge percentage less than 3.85 on the total amount of tender.
 - ii. The contractor does not quote service charge, i.e. leaves the column blank
 - iii. The quote is in Amount/Rupee only, instead of percentage.
 - iv. If any special character (such as %, ₹, etc.,) is added with the quoted value
 - v. If there is difference between quoted lump sum amount and the price breakup. Bidder should quote the same amount arrived in price breakup.
5. In case the lowest tendered amount (estimated cost + amount worked on the basis of quoted percentage above on estimated cost of tender) of two or more bidders are same. If the multiple L1 bidders have quoted the lowest allowed price or have quoted lowest tendered amount, then lowest bidders for placement of contract will be by selection of bidder amongst the L1 bidder through a Random Algorithm executed by GeM system
6. Payment by IGCAR for one operation will be based on prevailing minimum wages and attendance of the contract workers hence the bidder need not quote for Manpower.
7. Reimbursement of employer's contribution of EPF, employer's contribution of ESI, VDA and bonus will be made by IGACR on submission of documentary proof (from EPF and ESI authorities as well as documentary proof of payment of VDA & bonus to the contract workers) and reimbursement of GST will be made by IGCAR on submission of Payment receipt/ Invoice.
8. The Service Provider shall pay the GST and the price quoted is inclusive.
9. Income Tax, TDS as applicable will be deducted from the bill and it will not be reimbursable.

Date:
Place:

(Signature of Contractor)
Name of Contractor with Seal of Firm

ANNEXURE- B

FORM OF PERFORMANCE GUARANTEE (BANK GUARANTEE) BOND

1. In consideration of the President of India (hereinafter called "The Government") having agreed under the terms and conditions of Letter of Intent/ Agreement No. _____ dated _____ made between _____ and _____ (hereinafter called as said Contractor) for the work _____ (hereinafter called "the said Letter of Intent / Agreement") having agreed to production of an irrevocable bank Guarantee for Rs. _____ (Rupees _____) only, as a security / guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.
2. We _____ (Indicate the name of the Bank) (hereinafter referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs. _____ (Rupees _____) only on demand by the Government.
3. We _____ (indicate the name of Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees _____) only.
4. We, the said bank, further undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the Contractor in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
5. We _____ (indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till Officer-in-charge on behalf of the Government certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor and accordingly discharges this guarantee.
6. We _____ (indicate the name of Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said Contractor and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being

granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

8. We, _____ (indicate the name of Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing. This guarantee shall be valid up to (date) unless extended on demand.

9. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs _____ (Rs. _____ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date day of For (Indicate name of the Bank)

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