

 <p>राष्ट्रीय समुद्र प्रौद्योगिकी संस्थान NATIONAL INSTITUTE OF OCEAN TECHNOLOGY</p>	<p>संविदा आमंत्रण सूचना(नन.आ.सू.) <b>NOTICE INVITING TENDER (NIT)</b></p>		
	<p>फ़ॉर्म संख्या: Form No.</p>	<p>NIOT/S&amp;P/NIT e-procurement schedule</p>	
ननविदा संख्या/ Tender No.	<b>NIOT/HVT/1282/2023-24</b>		
कोजारी/ Tender Title	<b>Supply and Installation of SIMULIA ABAQUS software at NIOT Campus</b>		
ननविदा प्रणाली/Tender Mode	<b>OTTB (Open Tender Two Bid)-Custom Bid (GeM)</b>		
ननविदा जारी करनेकी तारीख/ Tender Issue date	<b>26.12.2023</b>		
ननविदा समापन नतिथि और समय/ Tender Closing Date and Time	<b>18.1.2024 at 11.00 AM</b>		
ननविदा खोलनेकी नतिथि और समय/ Tender Opening Date and Time	<b>18.1.2024 at 11.30 AM</b>		
Submission of EMD/ ईएमडी जमा करना	<p><b>INR. 1,50,000/-</b> in the form of DemandDraft (DD) drawn in favour of 'NIOT-OTHER RECEIPTSACCOUNT' (clause Ref 18 for details) or Bank Guarantee asper the available format. <a href="https://www.niot.res.in/index.php/vendor/login">https://www.niot.res.in/index.php/vendor/login</a>.</p> <p>a) Scanned copy towards EMD to be uploaded in the GeM portal b) Original EMD should be submitted through courier/speed post or in person dropped at the tender box. The original EMD should reach NIOT well before the Closing date and time of the tender.</p>		
ननविदा दस्तावेज उपलब्ध स्थान/ Tender Documents available place	Tender documents can be downloaded from GeM Portal <a href="http://www.niot.res.in">and NIOTwebsite www.niot.res.in</a> till closing date and time of the Tender.		
Bidding Type & Bid submission/ बोलीका प्रकार & ननविदा जमा करना	The tender is being Two Bid system, Techno- commercial Bid and BOQ (Price Bid) should be uploaded separately and electronically through GeM Portal The price/cost should not be revealed along with the technical bid. In case, the price/cost is revealed the bid is considered as invalid and summarily rejected.		
अपने प्रश्न ईमेल आईडीपर भेजे Send your queries to the email IDs	ननविदाके अंनतम चरण तक/Upto Tender finalization	<a href="mailto:hvt@niot.res.in">hvt@niot.res.in</a>	

राष्ट्रीय समुद्र प्रौद्योगिकी संस्थान NATIONAL INSTITUTE OF OCEAN TECHNOLOGY  
 वेलचेरी ताम्बरम मेन रोड VELACHERY TAMBARAM MAIN ROAD  
 नारायणपुरम, चेन्नै 600 100 NARAYANPURAM, CHENNAI 600 100  
 रा.स.प्रौ.सं. वेबसाइट/NIOT Website : <http://www.niot.res.in/tender>

## INTRODUCTION

National Institute of Ocean Technology (NIOT) is the technical arm of the Ministry of Earth Sciences, Government of India and is involved in developing technology for utilizing ocean resources in an eco-friendly manner.

### **Notice Inviting Tender (NIT)**

National institute of Ocean Technology invites e-bids for **Supply and Installation of SIMULIA ABAQUS software at NIOT Campus** as per Technical specifications attached in the special condition of the contract (SCC) (Annexure -I).

**1. Submission of bids:** Bidders are requested to submit their Bid/quotation in two parts containing Technical proposal as Part-1 and price bid (BOQ) as Part-2 should be submitted electronically through **GeM Portal <https://gem.gov.in/>**. The responsibility to ensure timely submission of bid lies with the bidder. Bids submitted through FAX or e-mail will not be considered. Bidders shall also attach scanned copies of all the requisite documents i.e. other certificates/documents specified in the tender documents. The bids are to be submitted (electronically) as per the bidding type indicated in the front page of the NIT. The bidders are advised to register with GeM portal. Bidders are advised to submit their quotation in two Parts, **no manual tender is acceptable.**

**Part-1 should contain Techno-Commercial Bid** and duly signed blank price bid (without indicating the cost). All documents to be submitted for tender to be uploaded in the portal only. **The price/cost should not to be revealed in the technical bid, if the price/ cost is revealed, the tender will be treated as invalid.**

The bids are to be submitted as per the bidding type indicated in the front page of the NIT.

**Part-2** should contain only the price bid indicating the cost

The Part-1(Technical bid) and Part-2 (Price bid) should be uploaded separately, indicating the Tender No, Tender date, Tender due date and time. Please note that to participate in the tender. If you are a regular supplier of NIOT it is requested to register your company with portal and to procure if not owned already.

**2. NIT:** NIT shall form part of the order.

**3. Pre-Qualification criteria:**  
**Technical:-**

The bidder will be shortlisted based on the below pre-requirements. Hence, adequate information should be provided along with quotation. In the absence of documentary evidence for the below selection criteria tender submitted by the bidders shall be summarily rejected.

(i) The Bidder should have completed at least two similar installations in Government organizations (including autonomous bodies / PSU) or academic institutions during the last two years (year ending 31.03.2023).

- (ii) The bidder should attach necessary documents like Purchase orders and work completion certificates as proof of supply/installation. Only completed works shall be considered. Similar installation means the Supply and installation of any Finite Element Analysis software.
- (iii) In case of non submission of the documentary proof, the bid will not be considered for further evaluation process

#### **INSTRUCTION TO BIDDERS:**

4. **Security:** Any information /material/document uploaded along with this tender or after award of contract should not be disclosed or copied without written permission from NIOT.
5. **Contacting NIOT:** No correspondence / discussion / visits whatsoever will be entertained on the subject unless specifically called by this office after opening the tender for clarifications in writing. Any violation of this will render the quotation invalid and the firm is liable to be removed from our approved vendor list. However, if bidder requires any clarification on the bid, the query may be mailed to the mail ID **hvt@niot.res.in**
6. **Tender Opening:** All the tenderers can participate in the e-tender opening with proper authorization letter from the respective Company.
7. **Default in Performance:** If any bidder is not successfully discharging their contract obligations against the awarded contract on them by NIOT within the agreed time limit, (OR) if there is any deficiency in performing such obligations, NIOT reserves the right to suspend such bidder from their participation in future tenders of NIOT for a period of one year. Even after revoking the suspension period the bidder's performance still continues to be the same without any improvement, NIOT reserves right to BAN such bidder permanently from participation in all the tenders of NIOT and organizations of MOES.
8. **Supply of software & AMC :** Software should be supplied only after receipt of duly signed purchase order from NIOT.
9. **Purchase order Acceptance:** The successful bidder should accept the purchase order within **7 days** from the date of receipt of the purchase order, failing which it shall be presumed that the bidder is not interested, and the EMD submitted will be forfeited.
10. **Change of Name after award:** Request / intimations with regard to change of name of the contracting company or constitution of the contractor after the tender opening or award of contract shall not be allowed as a matter of right. The bidders/ contractors are required to submit all relevant documents with regard to change of name or /and change of constitution and the circumstances leading to such change beforehand. It shall be the discretion of NIOT to proceed with the contract after such changes and in case, NIOT decides to proceed with the contract, it may require the contractor to execute further agreements with regard to execution/ implementation of

the contract.

**11. One Bid per Bidder:** A firm shall submit only one bid either individually or as a partner of a joint venture. A firm that submits either individually or as a member of a joint venture, if a bidder submit more than one bid will result in rejection of all the bids.

#### **BIDDING CONDITION**

**12. Deadline for Submission of Bids:** Bids must be received by NIOT at the GeM portal specified in the Invitation for Bids cover page on or before the due date/ extended due date thereof.

**13. Due date Extension, Corrigendum to NIT:** Any corrigendum including due date extension for NIT, Pre-bid minutes of meeting will be notified in GeM portal and NIOT website. Hence bidders are requested to watch NIOT website/ GeM portal for such due date extension and corrigendum, if any.

**14. In case of the unscheduled holiday in Chennai** being declared on the prescribed closing / opening day of the tender, the next working day will be treated as the scheduled prescribed day of closing/opening day of the tender.

**15. Unsolicited correspondences:** NIOT will not entertain any unsolicited correspondence or queries on the status of offer against this tender.

**16. Non-Receipt of Tender:** NIOT will not be responsible for the non-receipt of the tender due to any network problem.

**17. Submission of tender by a tenderer** implies that he has read the Notice Inviting Tender and has made himself aware of the scope and specifications of the work to be done; conditions and rates at which stores, tools and plant etc. will be issued to him by NIOT; local conditions and other factors bearing on the execution of the works.

**18. EMD/Bid security:** The EMD/Bid security (**INR. 1,50,000 /-** ) is mandatory as indicated in the cover page and should be submitted along with the technical bid for the value indicated in the front page of this tender document. The EMD/Bid security is mandatory requirement as indicated in the cover page and should be submitted along with the technical bid for the value indicated in the front page of this tender document. Bids without EMD will be summarily rejected.

The EMD /bid security may be accepted in the following form

- (a) Insurance Surety Bonds,
- (b) Account Payee Demand Draft (drawn in favour of " NIOT other Receipt Account", Chennai in INR or in equivalent foreign currency),
- (c) Fixed Deposit Receipt,
- (d) Banker's Cheque or Bank Guarantee from any of the Commercial Banks. (Bank Guarantee as per prescribed format available in the NIOT web site at the link

<https://www.niot.res.in/index.php/vendor/login>

(e) Online payment in an acceptable form.

If the EMD (scanned copy of the instrument of EMD) is not submitted along with Techno-commercial (Part-I). The bid will be summarily rejected. The original EMD should be submitted (or) reach NIOT on or before closing date the time of the tender.

**MSME Clause:**

"Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME)" are exempt from submission of EMD (Bid security). Bidders claiming exemption of EMD under this rule (170 of GFR) are however required to submit a signed bid securing declaration (format to be enclosed) along with the relevant and valid exemption certificate issued by the appropriate authorities. Accepting that if they withdraw or modify their Bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, they will be suspended for the period of one year from being eligible to submit Bids for tenders with NIOT and all the departments under MoES." The bid declaration format to be attached in the Annexure.

**MSME Conditions:**

(a) The MSE's bidder who claim EMD request should submit the relevant document towards investment on equipment and machinery. As per NIT clause no 60 make in India as per the DPIIT order under Annexure 9, under MSE.

(b) the MSE's bidder to note and ensure that nature of service and goods/items manufactured mentioned in MSE's certificate matches with the nature of the service and goods/item to be supplied as per tender.

(c) Retail & Whole sale Traders : Any bidder who are retailer / Traders claim EMD / Bid security exemption shall refer Ministry OM 5/2(2)/2021-E/P&G/Policy dtd 02.07.2021 & 5/2(1)2020/E-P&G/Policy dtd 01.12.2020.

The MSME is classified as mentioned below; (Ref Ministry of MSME Notification dated 26.06.2020)

(i) **Micro Enterprises:** Where the investment in plant and machinery or equipment does not exceed 1 crore rupees and turnover does not exceed 5 crore rupees,

(ii) **Small Enterprises:** Where the investment in plant and machinery or equipment does not exceed 10 crore rupees and turnover does not exceed 50 crore rupees,

(iii) **Medium Enterprises:** Where the investment in plant and machinery or equipment does not exceed 50 crore rupees and turnover does not exceed 250 crore rupees

**19. Conditions for EMD / Bid Security:** EMD shall be returned / discharged to unsuccessful bidders within 15 days after the expiration of the period of bid validity or placement of purchase order whichever is later. EMD may be forfeited:

a. If a bidder withdraws, modifies for provided unsolicited offer voluntarily revising the price in whatsoever aspect its bid during the period of bid validity specified by the bidder on the

bid form or

b. In case of a successful bidder, fails to furnish order acceptance within 15 days of the purchase order and / or fails to furnish Performance Security.

EMD for a successful bidder shall be adjusted against performance security payable if submitted in DD / refunded if / performance security is submitted.

**20. Bid Validity:** Bids shall remain valid and open for acceptance for a minimum period of **90 days** from the date of opening of Un-priced Techno-commercial bids when fully compliant tender is submitted by the bidder without any requirement for NIOT to seek additional documents towards evaluation of pre-qualification and/or in ensuring conformance to the specification/requirements of the tender. In the event of any delay in evaluation attributable to the vendor, bidder shall extend the tender by such a time taken by them in addition to above minimum tender validity period. A bid valid for shorter validity period will be considered as a conditional tender and treated as invalid tender.

**21. Bid validity extension:** While NIOT will finalize the tender within the bid validity sought as per this NIT, due to circumstances beyond the control of NIOT, prior to expiry of the original bid validity period, **NIOT may request the bidder for a specified extension of the bid validity without modifying RFP or Price.** The request and the responses thereto shall be made in writing. A bidder agreeing to the request will extend the validity of his bid correspondingly. When bid validity is extended EMD BG also deemed to have been extended automatically for which necessary action would be taken by the bidder to submit the extended BG well before the expiry of the current validity.

**22. Conditional offers:** Conditional offer will not be accepted.

**23. Signing of bids:** Each page of the tender document shall be digitally signed by the bidder and should be uploaded along with all other documents.

**24. The broad configuration:** Specification of the proposed purchase /work are given. Bidders are required to keep their proposal strictly as per the specification prescribed.

**25. Acceptance of bids:** NIOT may accept or reject any/all tenders including the lowest tender without assigning any reasons whatsoever. NIOT also reserves its right to accept any tender in part or parts only with such conditions as it may prescribe. NIOT is not bound to accept the lowest tender. NIOT expects full technical compliance and expects full scope of integrated supply as per tender specification and do not accept partial tenders.

**26. The compliance sheet** with reference to the specifications should be furnished against each parameter while submitting the quotation, which is absolutely necessary. THE TENDERER SHALL SUBMIT TECHNICAL & COMMERCIAL COMPLIANCE SHEETS and BOQ (Price bid) separately ALONG WITH THEIR OFFER. TENDERS WITHOUT COMPLIANCE SHEETS WILL NOT BE EVALUATED. The Price bid should be unconditional.

27. **Canvassing:** Exerting pressure and/or offering inducement in any form by the bidder or by any other person on behalf of the bidder shall disqualify the bid and lead to its rejection.

28. **Award:** NIOT shall place the purchase order for each of the title.

29. **Bid or modification** to bids received after closing date and time shall not be considered. Such modified bid together with original bid will be summarily rejected. Modification to the bid after opening the bid will not be considered unless specifically requested for by NIOT and only in case if there is an absolute necessity to revise the technical specifications after opening of bid.

30. **Unrealistic bids** with either cost which is impossible to achieve or for bidders who show that they are completely inexperienced or have completely inappropriate equipment will be rejected.

### **TERMS AND CONDITIONS GOVERNING THE CONTRACT**

31. **Currency of bids:**

**Local firms inside Chennai:** Quotations should indicate the cost with free delivery upto NIOT sites as per SCC.

**Firms outside Chennai:** Quotations should be F.O.R, NIOT sites as mentioned in the SCC. if this NIT Goods should be supplied carriage paid and insured for Contractor godown to consignee warehouse NIOT site.

32. **Price:**

The price shall include but not limited to

Costs of goods & services covered in this order

Taxes and duties

33. **GST :** GST will be as per HSN code as applicable.

**Deductibles:**

**a) Deduction of Indian Income Tax Deduction at Source for the Indian bidders:** TDS will be deducted as applicable for service portion at prevailing rates. Valid Permanent Account Number (PAN) is mandatory.

**b) GST-TDS:**

GST-TDS is deductible on supply of goods or Service in respect of Intra – State supplies at the rate of 2% (CGST @1% and SGST @ 1%) and also in case of Inter-State supplies @ the rate of 2% from the payment made or credited to the supplier of taxable Service.

34. **Guaranteed time of delivery – specific performance of contract:** Installation shall be completed within 14 days, and training shall be completed within 30 days of receipt of the Purchase order. The time of delivery including testing and handing over in satisfactory condition is the essence of the purchase order and the services should be commenced within two weeks from the date of acceptance of purchase order as per specification and scope of service as per SCC.

**35. Extension of delivery period:** If the completion of systems / components is delayed for reasons of force majeure such as acts of God, Acts of Public enemy, acts of Government, fires, floods, epidemics, quarantine restrictions, illegal strikes and freight embargoes, the Contractor shall within 3 days from the date of such occurrence, give notice to NIOT in writing of his claim for extension of delivery period. NIOT on receipt of such notice may agree to extend the Contract delivery date as may be reasonable but without prejudice to other terms and conditions of the contract. Unless the extended delivery period is agreed by NIOT in writing, contractor cannot claim the extension of delivery time as a matter of right. NIOT shall have the right to either cancel/extend the order validity/ levy LD as appropriate.

**36. Delay in Completion / Liquidated Damage (LD):** If the supplier fail to deliver the software/ installation/training within the time specified in the order, NIOT shall recover from the Contractor as liquidated damages a sum of 0.5% (½ percent) of the contract price of the undelivered systems /components for each calendar week of delay. The total liquidated damages shall not exceed 5% (5 percent) of the contract price of the unit or units so delayed. Systems / components will be deemed to have been delivered only when all essential components parts are also delivered. If any essential components are not delivered in time, the entire system / components will be considered as delayed until such time the missing parts are delivered.

**37. Service contract Insurance:** Contractor shall take out and keep in force adequate insurance to cover all risks. (a) In respect of their personnel deputed to work under the Contract. (b) In respect of their own as well as hired equipment (to the extent of their insurance interest) tools, materials, and operational facilities used during the entire period of their engagement in connection with the Contract to the insurable value of equipment, manpower and other things. NIOT shall have no liability whatsoever in this regard. Such insurance policies of the Contractor shall embody the following clauses

“The Insurers hereby waive their rights of subrogation against National Institute of Ocean Technology, or any of their employees or their subsidiaries, affiliates or assigns.”

**38. Insurance:** The Goods supplied under the Contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the NIT. If any such damage occurred the goods shall be replaced within in the contract price immediately without waiting for the insurance claim. The insurance shall be the scope of the bidder.

**39. Scope of AMC:**

The supplier shall provide the annual maintenance for one year from the date of completion of Installation & training as per SCC of this NIT and necessary upgrade of the software shall be done during the AMC period.



**40. Discounts:** Bidders are advised not to indicate separate discounts. Discounts, if any, should be duly considered and net rate should be quoted in the BOQ/Price Bid.

**41. Performance Security:**

The successful bidders should deposit 5% of the Purchase order value (excluding GST) as Performance Security within two weeks from the date of issue of Work order. The Performance security may be accepted in the following form

- (i) Insurance Surety Bonds,
- (ii) Account Payee Demand Draft (drawn in favour of "The Director N.I.O.T", Chennai in INR or

in equivalent foreign currency).

- (iii) Fixed Deposit Receipt from any Commercial Bank.
- (iv) Bank Guarantee from any of the Commercial Banks.
- (v) Online payment in an acceptable form.

Performance security shall be forfeited in the event of breach of Contract by the purchase order in terms of the purchase order. If Performance Security is not paid within the specified time, NIOT reserves its right to cancel the work order and forfeit the EMD /Bid security.

Bank Guarantee shall be as per prescribed format issued by a National /Commercial bank and valid for 60 days beyond the scheduled completion of entire scope of supply of the software as per the purchase order. This format can be downloaded from the link <https://www.niot.res.in/index.php/vendor/login>.

**42. Payment:**

**90%** payment will be made after completion of Installation & training as per SCC of this NIT & certification by the authorized NIOT officials and payment will be made within 30 days from the date of receipt of bill along with the required documents. Warranty certificate, installation and training report, if any, shall be submitted and upon fulfillment of other obligations stipulated in the order. The balance **ten percent** (10%) will be paid after completion of the entire AMC period.

**43. Force Majeure:** For purposes of this Clause, "Force Majeure" means an event beyond the control of the Contractor and not involving the Contractor's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of NIOT either in its sovereign or Contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

If a Force Majeure situation arises, the Contractor shall promptly notify NIOT in writing of such conditions and the cause thereof. Unless otherwise directed by NIOT in writing, the Contractor shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**44. Arbitration/Disputes:** In the event of any dispute, difference, interpretation or application relating to this agreement arises, the same shall be settled amicably by the parties. In case the dispute or differences could not be settled amicably, the same shall be referred for adjudication through Arbitration by an Arbitrator to be appointed by the Director, NIOT. The Indian Arbitration shall be concluded in accordance with the provisions of Arbitration & Conciliation Act, 1996 or any statutory modifications or reenactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings. Venue of such arbitration shall be at Chennai in India. The language of arbitration proceedings shall be English. The Arbitration shall make a reasoned award (the "award"), which shall be final and binding on the parties. The cost of the arbitration shall be shared equally by the parties to the contract. However, expenses incurred by each party in connection with the preparation, presentation etc., shall be borne by each party.

**45. SUBMISSION OF TECHNICAL DOCUMENT:** Specifications are basic essence of the product. The broad configuration / specification of the proposed purchase are given in NIT the Special Conditions of the contract (SCC). It must be ensured that the offers are strictly as per our specifications as mentioned in the Annexure - I of NIT(SCC). At the same time, it must also be kept in mind that merely copying our specifications in their quotation shall not make firms eligible for consideration. Technically unsuitable offers and offers not conforming to tender schedule shall be rejected.

a. The bidder is required to provide their comments item-by-item on the compliance sheet provided in the Annexure - I of NIT (SCC). Wherever the specified parameter is required within a range, the calculated/ estimated value as per the vendor's design is to be provided in the "Remarks" column. Deviations/exceptions, if any, from the specifications to be recorded in the "Remarks" column.

b. Offer must contain all relevant technical details. Relevant preliminary drawings (if any) pertaining to the quoted designs, duly signed by the authorized official shall be sent along with the quotation. Wherever mentioned, documentary evidence has to be enclosed in the quotation. Any erasures / over writing shall be counter signed by the person who is signing the bid. Any interlineations, erasures or overwriting shall be valid only if the person or persons signing the bid sign them.

c. NIOT will not provide any test procedures. All relevant required tests as mentioned in the technical specification to conduct within the quote price.

**46. ASSIGNMENT AND SUBCONTRACTING** The Contractor shall not assign the Contract or any part thereof, or any benefit or interest therein or hereunder, nor assume a fresh partner or partners nor dissolve the partnership at present subsisting between them in reference to this Contract without a formal written request and approval by NIOT. Also, the Contract shall not assign the Contract or any part thereof, or any benefit or interest therein or hereunder, nor assume a fresh partner or partners nor dissolve the partnership at present subsisting between them in reference to this Contract without a formal written request and approval by NIOT. Also, partnerships or third-party vendors during Tender should not be altered without a written approval.

#### **47. Eligible Bidders**

Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation of Bids.

The bidders who have been temporarily suspended or removed from the list of registered suppliers by the purchaser or banned from Ministry/country wide procurement shall be ineligible for participation in the bidding process.

#### **48. Joint Venture, Consortium or Association**

If the Supplier is in a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfilment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.

Amalgamation/Acquisition etc:

In the event the Manufacturer/Supplier proposes for amalgamation, acquisition or sale its business to any firm during the Contract period, the Buyer/Successor of the Principal Company are liable for execution of the Contract and also fulfilment of Contractual obligations i.e. supply, installation, commissioning, warranty, maintenance/replacement of spares accessories etc. You may confirm this condition while submitting the bid.

#### **49. Clarifications**

Applicants requiring any clarification on the NIT may send their query by email to [hvt@niot.res.in](mailto:hvt@niot.res.in) before the tender closing date. The Authority will post the reply to all such queries on the GEM Portal and NIOT Website. All bidders shall visit official GEM portal before uploading of their bid to take note of the changes / corrigendum issued.

The Authority reserves the right not to respond to any questions or provide any clarifications, in its sole discretion, and nothing in this RFP shall be construed as obliging the Authority to respond to any question or to provide any clarification

#### **50. Confidentiality**

50.1. Information relating to the examination, evaluation, comparison, and post qualification of bids, and recommendation of purchase order award, shall not be disclosed to bidders or any other persons not officially concerned with such process until Award of the Purchase order. However, decisions taken during process of tender evaluation shall be hosted on e-wizard portal.

50.2. Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison,

and post qualification of the bids or purchase order award decisions may result in the rejection of its Bid.

**51. Authorisation:** The bidder is qualified only when he is the original manufacturer or established dealer with original manufacturer's authorization letter to quote, sell and service the products offered as per the prescribed format in our web site along with agency agreement.

## **52. Cost of Bidding**

The Bidder shall bear all costs associated with the preparation and submission of its bid, and "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

## **53.1 Code of Integrity for Public Procurement**

**53.2.** The purchaser requires that the bidders, suppliers and purchase orders observe the highest standard of ethics during the procurement and execution of such purchase orders. In pursuit of this policy, the following are defined:

Sr. No.    Term    Meaning

### **(a) Corrupt practice**

The offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in purchase order execution.

### **(b) Fraudulent practice**

A misrepresentation or omission of facts in order to influence a procurement process or the execution of a purchase order.

### **(c) Collusive practice**

Means a scheme or arrangement between two or more bidders, with or without the knowledge of the purchaser, designed to establish bid prices at artificial, non-competitive levels.

### **(d) Coercive practice**

Means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a purchase order.

### **(e) Anticompetitive practice**

Any collusion, bid rigging or anti-competitive arrangement, or any other practice coming under the purview of the Competition Act, 2002, between two or more bidders, with or without the knowledge of the purchaser, that may impair the transparency, fairness and the progress of the procurement process or to establish bid prices at artificial, non-competitive levels

**(f) Conflict of interest**

participation by a bidding firm or any of its affiliates that are either involved in the consultancy purchase order to which this procurement is linked; or if they are part of more than one bid in the procurement; or if the bidding firm or their personnel have relationships or financial or business transactions with any official of purchaser who are directly or indirectly related to tender or execution process of purchase order; or improper use of information obtained by the (prospective) bidder from the purchaser with an intent to gain unfair advantage in the procurement process or for personal gain

**(g) Obstructive practice**

materially impede the purchaser's investigation into allegations of one or more of the above mentioned prohibited practices either by deliberately destroying, falsifying, altering; or by concealing of evidence material to the investigation; or by making false statements to investigators and/or by threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or by impeding the purchaser's Entity's rights of audit or access to information

53.3. The Purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Purchase order in question.

53.4. The bidders/suppliers should sign a declaration about abiding by the Code of Integrity for Public Procurement and submit it in the form as per Annexure-II along with bid documents. In case of any transgression of this code, the bidder is not only liable to be removed from the list of registered suppliers, but it would be liable for other punitive actions such as cancellation of purchase orders, banning and blacklisting or action by Competition Commission of India, and so on.

53.5. Obligations for Proactive disclosures

a) The Purchaser as well as bidders, suppliers, purchase orders and consultants, are obliged under Code of Integrity for Public Procurement to sue-moto proactively declare any conflicts of interest (coming under the definition mentioned above – pre-existing or as and as soon as these arise at any stage) in any procurement process or execution of purchase order. Failure to do so would amount to violation of this code of integrity.

b) The bidder must declare, whether asked or not in a bid document, any previous transgressions of such a code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity. Failure to do so would amount to violation of this code of integrity.

c) To encourage voluntary disclosures, such declarations would not mean automatic disqualification for the bidder making such declarations. The declared conflict of interest would be evaluated and mitigation steps, if possible, taken by the purchaser.

53.6. Punitive Provisions

Without prejudice to and in addition to the rights of the Purchaser to other penal provisions as per the bid documents or purchase order, if the Purchaser comes to a conclusion that a (prospective) bidder/supplier, directly or through an agent, has violated this code of integrity in competing for the purchase order or in executing a purchase order, the purchaser may take appropriate measures including one or more of the following:

a) If his bids are under consideration in any procurement:

- i. Forfeiture or encashment of bid security;
- ii. Calling off of any pre-purchase order negotiations; and
- iii. Rejection and exclusion of the bidder from the procurement process.

b) If a purchase order has already been awarded

- i. Cancellation of the relevant purchase order and recovery of compensation for loss incurred by the Purchaser;
- ii. Forfeiture or encashment of any other security or bond relating to the procurement;
- iii. Recovery of payments including advance payments, if any, made by the purchaser along with interest thereon at the prevailing rate.

c) Provisions in addition to above:

- i. Removal from the list of registered suppliers and banning/debarment of the bidder from participation in future procurements of the purchaser for a period not less than one year;
- ii. In case of anti-competitive practices, information for further processing may be filed under a signature of the Joint Secretary level officer, with the Competition Commission of India;
- iii. Initiation of suitable disciplinary or criminal proceedings against any individual or staff found responsible.

#### **54.Amendment to Bidding Documents**

In order to allow prospective bidders reasonable time to take the amendment into account while formulating their bids, the Purchaser, at its discretion, may extend the due date for the submission of bids and host the changes on the GEM portal through a corrigendum

#### **55.Documents Establishing Goods' Eligibility and Conformity to Bidding Documents**

55.1. To establish the goods' eligibility, the documentary evidence of the goods and services eligibility shall consist of a statement on the country of origin of the goods and services offered which shall be confirmed by a certificate of origin at the time of shipment.

55.2. To establish the conformity of the goods and services to the specifications and schedule of requirements of the bidding document, the documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings and data, and shall consist of :

- a) A detailed description of the essential technical and performance characteristics of the goods;
- b) A list giving full particulars, including available sources and current prices, of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods during the warranty period following commencement of the use of the goods by the Purchaser in the Price-bid ; and

c) An item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.

55.3. For purposes of the commentary to be furnished pursuant to above, the Bidder shall note that standards for workmanship, material and equipment, designated by the Purchaser in its Technical Specifications are intended to be descriptive only and not restrictive. The Bidder may substitute these in its bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

## **56. Contacting the Purchaser**

a) No Bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded.

b) Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison or Contract award may result in rejection of the Bidder's bid.

## **Post qualification**

c) In the absence of pre-qualification, the Purchaser will determine to its satisfaction whether the bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the Contract satisfactorily, in accordance with the criteria listed in the SCC of the NIT.

d) The determination will take into account the Eligibility & Qualification criteria listed in the SCC of the NIT and it will be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, as well as such other information as the Purchaser deems necessary and appropriate.

e) An affirmative determination will be a prerequisite for award of the Contract to the Bidder. A negative determination will result in rejection of the Bidder's bid.

## **57. Bidder's right to question rejection**

A Bidder shall have the right to be heard in case he feels that a proper procurement process is not being followed and/or his tender has been rejected wrongly. Only a directly affected bidder can represent in this regard as under:

57.1 Only a bidder who has participated in the concerned procurement process i.e. pre-qualification, bidder registration or bidding, as the case may be, can make such representation.

57.2 In case pre-qualification bid has been evaluated before the bidding of Technical bids, an application for review in relation to the technical bid may be filed only by a bidder who has qualified in prequalification bid.

57.3 In case technical bid has been evaluated before the opening of the financial bid, an application for review in relation to the financial bid may be filed only by a bidder whose technical bid is found to be acceptable.

57.4 In case a Bidder feels aggrieved by the decision of the purchaser, he may then send his representation in writing to the Purchaser's address as indicated in special conditions of Contract

(SCC) within 05 working days from the date of communication of the purchaser intimating the rejection for reconsideration of the decision by the purchaser.

57.5 Following decisions of the purchaser in accordance with the provision of internal guidelines shall not be subject to review:

- (a) Determination of the need for procurement;
- (b) Selection of the mode of procurement or bidding system;
- (c) Choice of selection procedure;
- (d) Provisions limiting participation of bidders in the procurement process;
- (e) The decision to enter into negotiations with the L1 bidder;
- (f) Cancellation of the procurement process except where it is intended to subsequently re-tender the same requirements;
- (g) Issues related to ambiguity in purchase order terms may not be taken up after a purchase order has been signed, all such issues should be highlighted before consummation of the purchase order by the vendor/contractor; and
- (h) Complaints against specifications except under the premise that they are either vague or too specific so as to limit competition may be permissible.

**58. Termination of contract by NIOT:**

- (i) Termination of the contract due to breach of contract by the contractor
- (ii) Termination of contract due to default,
- (iii) Termination of the contract due to insolvency,
- (iv) Termination of the contract for convenience.

If the termination of the contract happens due to the above factors, [(i), (ii) &(iv)] initially the written notice will be issued within 30 days to settle the issue on mutually agreed terms with mutual consent.

**59. INDEMNITIES:** The Purchase order hereby agrees to indemnify and hold harmless NIOT and its Director, officers and employees, from and against any and all suits, losses, liabilities, damages, claims, settlements, costs and expenses, including reasonable attorneys' fees, based on or arising, directly or indirectly, from:

- i.** breach of this Agreement by the Purchase order
- ii.** Not performing the Scope of Work or any other obligation under this Agreement or Tender in accordance with the provisions and schedules of this Agreement or the Tender
- iii.** Violation or contravention of any Legislation on the part of the Purchase order
- iv.** Any negligence or wilful misconduct of Purchase order, which violates any provision of this Agreement
- v.** Infringement of any intellectual property belonging to any third party by the Purchase order
- vi.** Any breach of an agreement or understanding between Purchase order and any and all Third Parties due to which a liability arises on NIOT.
- vii.** Any claim that any representations or warranties contained herein are not true or Any breach thereof



- viii. Any loss or damage caused by the Purchase order to NIOT, its personnel or property
- ix. Any loss or damage caused by the Purchase order to any and all Third Parties for which a claim against NIOT has arisen
- x. Breach, expiry, cancellation, revocation or invalidity of any and all licenses, permits, authorizations and registrations which the Purchase order is required to obtain, keep valid and comply with under any Legislation in order to perform its obligations hereunder
- xi. Any obligation of the Purchase order performed by NIOT under this Agreement or under any Legislation.

## **60. Preference to Make in India**

**Make in India-Price Preference-MSME** Price preference to Local suppliers as per Make in India procurement policy of Govt of India shall refer the order DPIIT Order No. P-45021/2/2017- PP (BE-II) dated 16th September 2020 issued by Ministry of Commerce (Govt. of India)

Definitions of terms applicable to Make in India procurement policy of Govt of India:-

- a) 'Local content ' means the amount of value added in India which shall be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.
- b) 'Class-I Local supplier' means a supplier provider whose product offered for procurement meets the local content of 50% and above.
- c) 'Class-II Local supplier' means a supplier provider whose product offered for procurement meets the local content of 20% and above but less than 50%.
- d) 'Non-Local supplier' means a supplier provider whose product offered for procurement meets the local content of less than 20%.
- e) 'L1' means the lowest tender or lowest bid or the lowest quotation received in this tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.
- f) 'Margin of purchase preference ' means the maximum extent to which the price quoted by a

local supplier may be above the L1 for the purpose of purchase preference.

### **I. Purchase preference: -**

- a) Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a Class-I local supplier, the contract for full quantity will be awarded to L1.
- b) If L1 bid is not from a Class-I local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the Class-I local suppliers, will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such Class-I local supplier subject to matching the L1 price. In case such lowest eligible Class-I local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher Class-I local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.
- c) In the procurements of goods or works, which are covered by para 3(b) or reference

order and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:

- (i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a Class-I local supplier, the contract will be awarded to L1.
- (ii) If L1 is not from a Class-I local supplier, the lowest bidder among the Class-I local suppliers, will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such Class-I local supplier subject to matching the L1 price.
- (iii) In case such lowest eligible Class-I local supplier fails to match the L1 price, the Class-I local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the Class-I local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.
- (iv) Only Class-II Local suppliers are not eligible to get price preference in any procurement undertaken by procuring entities.

## **II. Applicability in tenders where contract is to be awarded to multiple bidders: -**

In tenders where contract is awarded to multiple bidder's subject to matching of L 1 rates or otherwise, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:

- a) In case there is sufficient local capacity and competition for the item to be procured, as notified by the nodal Ministry, only Class I local suppliers shall be eligible to bid. As such, the multiple suppliers, who would be awarded the contract, should be all and only 'Class I Local suppliers'.
- b) In other cases, 'Class II local suppliers' and 'Non-local suppliers' may also participate in the bidding process along with 'Class I Local suppliers' as per provisions of this Order. c) If 'Class I Local suppliers' qualify for award of contract for at least 50% of the tendered quantity in any tender, the contract may be awarded to all the qualified bidders as per award criteria stipulated in the bid documents. However, in case 'Class I Local suppliers' do not qualify for award of contract for at least 50% of the tendered quantity, purchase preference should be given to the 'Class I local supplier' over 'Class II local suppliers'/ 'Non local suppliers' provided that their quoted rate falls within 20% margin of purchase preference of the highest quoted bidder considered for award of contract so as to ensure that the 'Class I Local suppliers' taken in totality are considered for award of contract for at least 50% of the tendered quantity.
- d) First purchase preference has to be given to the lowest quoting 'Class-I local supplier', whose quoted rates fall within 20% margin of purchase preference, subject to its meeting the prescribed criteria for award of contract as also the constraint of maximum quantity that can be sourced from any single supplier. If the lowest quoting 'Class-I local supplier', does not qualify for purchase preference because of aforesaid constraints or does not accept the offered quantity, an opportunity may be given to next higher 'Class-I local supplier', falling within 20% margin of purchase preference, and so on.
- e) To avoid any ambiguity during bid evaluation process, the procuring entities may stipulate its own tender specific criteria for award of contract amongst different bidders including the procedure for purchase preference to 'Class-I local supplier' within the broad policy guidelines stipulated in sub-paras above

### **III. Minimum local content:-**

The 'local content' requirement to categorize a supplier as 'Class-I local supplier' is minimum 50%. For 'Class-II local supplier', the 'local content' requirement is minimum 20%. Nodal Ministry/ Department may prescribe only a higher percentage of minimum local content requirement to categorize a supplier as 'Class-I local supplier'! 'Class-II local supplier'. For the items, for which Nodal Ministry! Department has not prescribed higher minimum local content notification under the Order, it shall be 50% and 20% for 'Class-I local supplier'! 'Class-II local supplier' respectively.

### **IV. Verification of Local content:-**

a. The 'Class-I local supplier'! 'Class-II local supplier' at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for 'Class-I local supplier'! 'Class-II local supplier', as the case may be. They shall also give details of the location(s) at which the local value addition is made.

b. In cases of procurement for a value in excess of Rs . 10 crores, the 'Class-I local supplier'! 'Class-II local supplier' shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

c. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

### **V. Manufacture under license/ technology collaboration agreements with phased indigenization:-**

While notifying the minimum local content, Nodal Ministries may make special provisions for exempting suppliers from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement / transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content.

### **VI. Classification of MSE'S:-**

i) Micro Enterprises: Where the investment in plant and machinery or equipment does not exceed 1 crore rupees and turnover does not exceed 5 crore rupees,

(ii) Small Enterprises: Where the investment in plant and machinery or equipment does not exceed 10 crore rupees and turnover does not exceed 50 crore rupees,

(iii) Medium Enterprises: Where the investment in plant and machinery or equipment does not exceed 50 crore rupees and turnover does not exceed 250 crore rupees

(iv) Retail & Whole sale traders: Any bidder who are retailer/ Traders claim EMD/ Bid security exemption shall refer Ministry OM 5/2(2)/2021-E/P&G/Policy dtd 02.07.2021 & 5/2(1)2020/E- P&G/Policy dtd 01.12.2020.

### **VII. Price Preference to MSEs: -**

a) Among the qualified bids, the lowest bid will be termed as L1, If L1 is class 1 local supplier the contract will be awarded to L1.

- b) In tender, participating Micro and Small Enterprises quoting price within price band of L1 + 15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a Micro and Small Enterprise and such Micro and Small Enterprise shall be allowed to supply up to 25 percent of the total tendered value, The 25(twenty five)% quantity is to be distributed proportionally among these bidders, in case there are more than one MSME's within such price band.
- c) In case the tendered quantity of goods cannot be split/ divided MSE quoted price within the band L1+15% may be awarded for full complete supply of total tendered value to MSE.
- d) MSEs participating in the tender must submit valid & authorized copy of certificate of registration with any one of the above agencies. In case of bidders submitting DIC registration certificate shall attach original notarized copy of the DIC certificate.
- e) The MSE's Bidder to note and ensure that nature of services and goods/items manufactured mentioned in MSE's certificate matches with the nature of the services and goods /items to be supplied as per Tender.
- f) The registration certificate issued from any one of the above agencies must be valid as on Bid closing date of the tender. Bidder shall ensure validity of registration certificate in case bid closing date is extended.
- g) The MSEs who have applied for registration or renewal of registration with any of the above agencies / bodies, but have not obtained the valid certificate as on close date of the tender, are not eligible for EMD exemption / preference.
- h) Where any aggregator has been appointed by the Ministry of MSE, themselves quote on behalf of some MSE units, such offers will be considered as offer from MSE units and all such facilities would be extended to these aggregators also.

**Commercial Terms Compliance sheet (To be filled by the bidder)**

<b>Sl. No</b>	<b>Particulars</b>	<b>Yes</b>	<b>No</b>	<b>Page Ref</b>
1.	Whether Taxes and duties are shown separately in the quote.(Registration numbers for claiming the same to be strictly indicated)			
2.	Whether EMD for <b>INR. 1,50,000/-</b> is enclosed along with the Technical bid			
3.	Whether accepted to submit the Purchase Order acceptance within <b>7 days</b> from the date of PO?			
4	Whether submission of Performance Security 5% is acceptable?			
5.	Whether Quote is valid for <b>90 days</b> from the due date of tender or time specified in the tender document whichever is later?			
6.	Whether <b>payment terms</b> of the tender is complied with?			
7.	Whether price is <b>FOR</b> NIOT, Chennai			
8	Whether the <b>delivery period</b> is acceptable as per tender? (i.e. <b>2 weeks</b> from the date of purchase order)			
10	Whether list of deliverables attached and comply as per tender?			
11	Whether liquidated damage clause is acceptable in case of delayed supply?			
12	Whether the tender is fully complying with tender specification/Adjustment if no, list out deviations very clearly along with the appropriate reason for the deviation?			
13	Whether item-wise price is quoted as per price bid and quoted price is realistic?			
14	Whether copy of duly signed (all pages) tender document NIT and Annexure (I to IX) are uploaded along with the quotation.			

**Price bid format: Price Not to be revealed by the bidder (Quoted prices should be inclusive of all)**

SI No.	Description	Unit	Quantity	Rate per unit (INR)	Amount
1	Supply and installation of SIMULIA ABAQUS software (Simulia Abaqus / CAE Extended, 10 Extended tokens and Associative interface for CAD Packages) as per SCC of NIT including annual maintenance and necessary software upgradation for 1 year.	Number	1		
	<b>Total amount for F O R, NIOT Chennai (Including GST)</b>	Lumpsum			
(Total Value in words _____ only)					

**Note: The basic price should be inclusive of all including GST.**

**SPECIAL CONDITIONS OF THE CONTRACT (SCC)**

**Supply and Installation of SIMULIA ABAQUS software at NIOT Campus**

**Scope of supply:**

- i. Supply and installation of SIMULIA ABAQUS software at NIOT as per the following specifications

**Specification:**

- a) Software name : DS SIMULIA ABAQUS
- b) Description : ABAQUS is a suite of engineering simulation program, based on the finite element method that can solve problems ranging from relatively simple linear analysis to nonlinear simulation.
- c) Version :Abaqus Perpetual License/Latest Version
  - i. Simulia Abaqus / CAE Extended: Standard, Explicit, CFD, Foundation, AMS, Aqua, Design, Co-simulation engine.
  - ii. Simulia Abaqus Extended tokens : 10 tokens
  - iii. SIMULIA Abaqus/CAE Associative Interface for CAD packages
- d) License type : Network

**Capabilities Required:**

1. Shall have extensive library of material models to model metals, rubber and polymers, reinforced concrete, glass and ceramics, crushable or resilient foam, and geotechnical materials like soils and rock, simulate stress and deformation in isotropic and anisotropic metals at low and high temperatures, at low and high strain rates, and at small and large strains.
2. The software should have associative bidirectional interface with CAD packages such as Autodesk Inventor, PTC Creo, Solid works and CATIA R2023x to import and export the geometry parameters.
3. The software should have the ability to de-feature unwanted geometric entities such as faces, edges and vertices either automatically or manually, and to recover these when necessary

4. The software should have the ability to automatically detect contacting surfaces in an assembly and should allow easy modification of their properties, such as sliding formulation and interaction behavior
5. The software should have the capability to mesh the model adaptively based on selected criterion by considering nonlinear material property
6. The software should have the capability to analyze structural (linear and nonlinear static analysis, linear dynamics, implicit and explicit nonlinear dynamics), non-structural (thermal, acoustic, pore-pressure, electrical, electromagnetic) and coupled physics (thermal-electrical, electrical-mechanical, structural-acoustic, soil-structure and pore fluid flow-mechanical, FSI) in a single unified environment
7. The software should have the capability to solve mechanisms with idealized connections (two-noded) considering linear and nonlinear, coupled and uncoupled connection behavior, including elasticity, plasticity, friction, damage, stops and locks in the same environment
8. The software should be able to analyze soil and soil-structure interaction simulations efficiently
9. The software should have the capability to model cohesive contact to account for repeated sticky contact at interfaces
10. The software should have the capability to model fluid penetration in both 2D and 3D from multiple locations on the surface without the need to model fluid
11. The software should have sub-modeling capability with the ability to map displacements, temperatures and stresses with the option of having different element types and analysis procedures for the global model and the sub-model.
12. The software should have the capability to model FSI using contact interface
13. The software should have hybrid finite-volume and finite-element based fluid analysis capability with incompressible, pressure based solvers for laminar and turbulent flows, allowing direct coupling with FEA solver for FSI and Conjugate Heat Transfer (CHT).



**Terms and Conditions:**

1. After the installation of the software, the firm shall conduct 5 days Hands on training on Simulia Abaqus for 15 officials of NIOT at NIOT campus, Pallikaranai, Chennai. The price quoted shall include the 5-day training program for 15 NIOT officials.
2. Installation shall be completed within 14 days and training shall be completed within 30 days on receipt of Purchase order.
3. Payment will be done after the successful installation of Simulia Abaqus software at NIOT and acceptance by NIOT.
4. The supplier shall provide the annual maintenance for one year, and necessary upgrade of the software shall be done during the AMC period.
5. All necessary documents, manuals and CDs should be delivered to NIOT at the time of the installation.

**2.0 Technical Specifications & Compliance sheet (to be filled by the bidder)**

<b>Sl.no</b>	<b>Description of the specification</b>	<b>Compliance (Yes/No)</b>
1.	Supply and installation of SIMULIA ABAQUS software (Simulia Abaqus / CAE Extended, 10 Extended tokens and Associative interface for CAD Packages)	
2.	Provide AMC Services for 1 year	
3.	Provide 5 days hands on training on SIMULIA ABAQUS for 15 officials of NIOT at NIOT Campus. The price quoted includes the cost for training	

**Annexure -II**

Bid Securing Declaration Form

Date:

E-Tender No:

E-

Tender

Title: To,

NATIONAL INSTITUTE OF OCEAN

TECHNOLOGYVELACHERY TAMBARAM

MAIN ROAD, NARAYANAPURAM,

CHENNAI 600 100

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am/ We are in a breach of any obligation under the bid conditions, because I/We

- a) Have withdrawn/modified /amended impairs or derogates from the tender, my /our Bid during the period of bid validity specified in the form of Bid: or
- b) Having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder: Signed: (Insert signature of person whose name and capacity are shown)

In the capacity of (insert legal capacity of person signing the Bid Security Declaration) Name: (insert complete name of person signing the Bid Security Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Sole bidder/ Joint Venture /Leader of Consortium)

Dated on \_\_\_\_\_ day of \_\_\_\_\_ (insert date of signing) Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Security Declaration must be in the name of all partners to the Joint Venture that submits the bid)

(Note: In case of a Consortium, the Bid Security Declaration to be signed by consortium lead partners that submits the bid)

**ANNEXURE - III**

**MANUFACTURERS' AUTHORIZATION FORM**

The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer.]

Date: [insert date (as day, month and year) of Bid Submission]

Tender No. : [insert number from Invitation For Bids]

To : [insert complete name and address of Purchaser]

**WHEREAS**

We [insert complete name of Manufacturer], who are official manufacturers of [insert type of goods manufactured], having factories at [insert full address of Manufacturer's factories] , do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following Goods, manufactured by us [insert name and or brief description of the Goods], and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 40 of the NIT, General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: [insert signature(s) of authorized representative(s) of the Manufacturer] Name:

[insert complete name(s) of authorized representative(s) of the Manufacturer] Title:

[insert title]

Duly authorized to sign this Authorization on behalf of: [insert complete name of Bidder]

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ [insert date of signing]

\*(Not required in case the bidder itself is the manufacturer)

**ANNEXURE-IV**

**PERFORMANCE STATEMENT FORM**

Details of similar equipment / systems supplied & installed during past 3 years in India & Abroad

Name of the Firm \_\_\_\_\_

Order Placed by (full address of Purchaser)

Order Number and date:

Description and Quantity of Ordered:

Equipment Value of Order:

Date of Completion of deliver as Per Contract:

Date of actual Completion of Delivery:

Remarks Indicating reasons for late delivery, if any:

Has the Equipment Been installed/ Working Satisfactory (Attach a Certificate from The purchaser / Consignee)

Name of Contact Person along with Telephone No., FAX No. and e-mail address

Signature and Seal of the manufacturer/Bidder .....

Place :

Date :

**Annexure – V**

Format for declaration by the Bidder for Code of Integrity & conflict of interest  
(On the Letter Head of the Bidder)

No: \_\_\_\_\_ Date \_\_\_\_\_

To,

\_\_\_\_\_  
\_\_\_\_\_

(Name & address of the Purchaser)

Sir,

With reference to your Tender No. \_\_\_\_\_ dated \_\_\_\_\_ I/We hereby declare that we shall abide by the Code of Integrity for Public Procurement as mentioned under the Clause number 55 (a) of NIT of your Tender document and have no conflict of interest.

It is certified that we are not associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation of Bids / Tender. The details of any previous transgressions of the code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity are as under:

- a
- b
- c

We undertake that we shall be liable for any punitive action in case of transgression/ contravention of this code.

Thanking you,

Yours sincerely,

Signature

(Name of the Authorized Signatory)

Company Seal

## ANNEXURE-VI

### Certificate of Local Content (To be enclosed along with Technical Bid)

Tender No. \_\_\_\_\_

We M/s. \_\_\_\_\_ (Name of Bidder) hereby certify that we meet the minimum Local content for the Goods and services offered vide our offer/bid No.

\_\_\_\_\_ dated \_\_\_\_\_ as specified below:

- Class-I Local Supplier with local content of 50% and above
- OR
- Class-II Local Supplier with local content of 20% and above but less than 50%

*(Tick appropriate category of Local Supplier)*

We are not claiming the services such as transportation, insurance, installation, commissioning, training, after sales service (warranty or AMC/CMC support), consultancy and custom clearance including custom duty as local value addition.

We are aware that the false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules (Govt of India) for which we or our successors can be debarred for up to two years as per Rule 151 (iii) of the General Finance Rules along with such other actions as may be permissible under law.

Signed: *[insert signature of person whose name and capacity are shown]*

In the capacity of *[insert legal capacity of person signing the Bid Submission Form]*

Name: *[insert complete name of person signing the Bid Submission Form]*

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

**ANNEXURE-VII**  
**Certificate of Price break up of Local Content (To be enclosed along with Price Bid)**

Tender No. \_\_\_\_\_

We M/s. \_\_\_\_\_ (Name of Bidder) hereby certify that we meet the minimum Local content for the Goods and services offered vide our offer/bid No. \_\_\_\_\_ dated \_\_\_\_\_ as specified below:

- Class-I Local Supplier with local content of 50% and above
- OR
- Class-II Local Supplier with local content of 20% and above but less than 50%

(Tick appropriate category of Local Supplier)

Minimum Local content is \_\_\_\_\_% as per Price break up given below:

Component of cost Imported product Domestic value addition to product In Foreign Currency US\$ or specify In Rupees

Exchange Rate @ 1 US\$ = Rs In Rupees Location of value addition Goods

Material

ii Equipment

iii Total Quoted Price =

(X + Y)

X =

Y =

% Local Content =  $(\frac{Y}{X+Y}) \times 100$

We are not claiming the services such as transportation, insurance, installation, commissioning, training, after sales service (warranty or AMC/CMC support), consultancy and custom clearance including custom duty as local value addition. These costs should not be included in Y above.

We are aware that the false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules (Govt of India) for which we or our successors can be debarred for up to two years as per Rule 151 (iii) of the General Finance Rules along with such other actions as may be permissible under law.

Signed: [insert signature of person whose name and capacity are shown]

In the capacity of [insert legal capacity of person signing the Bid Submission Form]

Name: [insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ [insert date of signing]

## **ANNEXURE-VIII**

### **Self-Certification**

With reference to Clause No. 1.1.3 of this tender and GoI Ministry of Finance Order No.: F. No. 6/18/2019-PPD dated 23rd July, 2020 on "Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs)" & OM No. F. No. 18/37/2020-PPD dated 8thFebruary, 2021;

It is certified that

We are not a bidder of a country which shares a land border with India. OR

We are a bidder of a country which shares a land border with India, however, we are eligible to bid in any procurement whether of goods or services as we are registered with the Competent Authority as specified in Ministry of Finance (GoI) Order No. 6/18/2019 – PPD dated 23rd July 2020. Copy of valid registration is attached.

Tick as applicable

Place:

Date:

Authorised Signatory

Name:

Company Seal



**ANNEXURE IX**

**Self-Certification under preference to Make in India order Certificate**

In line with Government Public Procurement Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 issued by Ministry of Commerce and Industry and subsequent amendment of the order dt 16<sup>th</sup> September 2020 we hereby certify that we M/s. .... are local supplier meeting the requirement of minimum local content (i.e. amount of value addition) .....% as defined in above orders for the item/s against Enquiry/Tender No ..... Details of location at which local value addition is made for the item/s are as follows

.....  
.....

We also understand false declarations will be in breach of the code of integrity under rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for upto two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

Signature of vendor with stamp