
 <p>राष्ट्रीय समुद्र प्रौद्योगिकी संस्थान NATIONAL INSTITUTE OF OCEANTECHNOLOGY</p>	<p>संविदा आमंत्रण सूचना(न.आ.सू.) NOTICE INVITING TENDER (NIT)</p> <p>फ़ॉर्म N IOT/S&P/NIT संख्या: e-procurement schedule Form No.</p>	
ननविदा संख्या/ Tender No.	NIOT/HVT/1285/2023-24	
कोजारी/ Tender Title	Procurement of Fixed Wing with Vertical Take Off and Landing Unmanned Aircraft System for Mapping	
ननविदा प्रणाली/Tender Mode	OTTB (Open Tender Two Bid)-Custom Bid (GeM)	
ननविदा जारी करनेकी तारीख/ Tender Issue date	29.12.2023	
Pre Bid Meeting Date & Time	11.1.2024 at 3 PM (IST) through webex	
ननविदा समापन नतथि और समय/ Tender Closing Date and Time	25.1.2024 at 11.00 AM	
ननविदा खोलनेकी नतथि और समय/ Tender Opening Date and Time	25.1.2024 at 11.30 AM	
Submission of EMD/ ईएमडी जमा करना	<p>INR. 1,90,000/- in the form of DemandDraft (DD) drawn in favour of 'NIOT-OTHER RECEIPTS ACCOUNT' (clause Ref 18 for details) or Bank Guarantee asper the available format. https://www.niot.res.in/index.php/vendor/login.</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 and NIOTwebsite www.niot.res.in 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 भेजें Send your queries to the email IDs	ननविदाके अंनतम चरणतक/Upto Tender finalization	hvt@niot.res.in

राष्ट्रीय समुद्र प्रौद्योगिकी संस्थान NATIONAL INSTITUTE OF OCEAN TECHNOLOGY
 वेलचेरीताम्बरममेन रोड VELACHERY TAMBARAM MAIN ROAD
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 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 the **Supply of Fixed Wing with Vertical Take Off and Landing Unmanned Aircraft System for Mapping** 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 LOI/Contract.

3. Pre-Qualification criteria:

Technical:-

- i. The bidder should have supplied at least 2 numbers of fixed wing VTOL,UAS for mapping to Central/State Government Organizations/Reputed corporate companies during the last three years. Copy of purchase order / contract and completion of supply certificate to be enclosed. Three years shall be considered from 31.08.2023.
- ii. The fixed wing VTOL UAS being offered should have OEM authorised service center in India. Copy of OEM service centre details to be enclosed.
- iii. The bidder shall carry out demonstration mapping survey with the product (including VTOL UAS and software for flight planning and post survey data processing) being offered to NIOT.
- iv. The demonstration mapping shall be along the coast (Konark or Chennai or any other site as decided by NIOT), the location and extent of the area of survey shall be

- provided by NIOT. The demonstration shall be completed within a period of two weeks from the date of intimation in the presence of NIOT officials.
- v. The processed data derived from the survey should meet the technical specification as mentioned in the Special Conditions of Contract(SCC) Table 1 **Table 1**, in lieu of which the bidder shall stand disqualified. Compliance to the condition is mandatory for participation in the tender process.
 - vi. The raw and processed data shall be handed over to NIOT. No additional payment for the demonstration or the data shall be made by NIOT.
 - vii. DGCA Type Certification is mandatory and has to be uploaded with the bid.
 - viii. The equipment shall also be equipped with the following serviceable components/equipment which will be compliant to latest DGCA and prevailing drone rules.
 - ix. Bidder/OEM shall provide the OEM specification/datasheet for the product being offered to NIOT

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. **Goods:** Goods should be supplied only after receipt of duly signed Contract from NIOT
9. **Purchase order Acceptance:** The successful bidder should accept the purchase order within 15 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 (**Rs.1,90,000/-**) 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

- (1) Insurance Surety Bonds,
- (2) Account Payee Demand Draft (drawn in favour of " NIOT other Receipt Account", Chennai in INR or in equivalent foreign currency),
- (3) Fixed Deposit Receipt,
- (4) 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>)

(5) 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 made 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. If quote is for Ex-Godown rate delivery charges should be indicated separately and explicitly. The word „Extra“ shall be avoided.

Firms outside Chennai: Quotations should be F.O.R, NIOT, Chennai. If F.O.R.consignment freight charges by passenger train / Road transport must be indicated. If EX- Godown, packing and forwarding and freight charges must be indicated separately. Goods should be supplied carriage paid and insured for Contractor godown to consignee warehouse Chennai.

32. **Price:** The price shall include but not limited to

- a) Costs of goods/ services covered in this Contract.
- b) Taxes and duties
- c) Transportation and packing cost (Sea/Air worthy packing of internationally acceptable practices withstand transit and Transshipments by sea / air / road / rail)
- d) Cost of handling, documentation, freight, insurance from Contractor's warehouse up to NIOT warehouse, installation and commissioning of the equipment when part of Contractual obligation.

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: The time of delivery including testing and handing over in satisfactory condition is the essence of the purchase order and the item should be supplied as per specification and scope of supply as per SCC. In the event of part supply, NIOT shall withhold the entire payment until the whole of the supply as per the purchase order is delivered.

- i. All items as per SCC of NIT should be delivered within a period of 1 month from date of acceptance of purchase order.
- ii. Commissioning (deployment of equipment, data acquisition & processing, and training) and submission of commissioning report shall be completed within 14 days from the of receipt & acceptance of all items at NIOT and certified by the authorized NIOT officials.

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 Contractor shall fail to deliver the systems / components within the time specified in the Contract, NIOT shall recover from the Contractor as liquidated damages a sum of 0.5% of the order value of the undelivered systems /components for each calendar weeks of delay. The total liquidated damages shall not exceed 5% (Five percent) of the Contract value 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 undelivered parts/components/systems are delivered.

37. Insurance: The Goods supplied under the purchase order 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 purchase order price immediately without waiting for the insurance claim. The cost of insurance shall be in the scope of the contractor.

38. Risk Purchase: If the Contractor fails to deliver the stores or any installment thereof within the period fixed for such delivery or at any time repudiates the purchase order before expiry of such period, NIOT is entitled to cancel the purchase order and source remaining items

from any parties the stores not delivered at the risk and cost of the defaulting Contractor. No payment claimed for any part supplies made.

39. Risk and Insurance:

The Bidder/Contractor shall take out and keep in force the following adequate insurance to cover all risks including but not limited to third party risk coverage and shall submit to NIOT copy of policy:

During the development of the system, testing, trials and all transportation including transit up-to receipt of the Product / material at NIOT and acceptance after final phase of testing including during field operations.

The Bidder/Contractor shall take out and keep in force, adequate insurance in respect of their own as well as hired equipments (to the extent of their insurable interest) tools, materials, marine spreads, vessels, barges, crafts ships and operational facilities used during the entire period of their engagement in connection with the Contractor to the insurable value of such constructional plant, equipment and other things. NIOT shall have no liability whatsoever in this regard. NIOT shall not consider any claim whatsoever, hence Bidder/Contractor shall assess all possible risks and take adequate all risk insurance cover including transit insurance. General terms and conditions for tender submission & evaluation

NIOT reserves right to reject any or all of the bids received in response to this invitation to tender without assigning any reasons whatsoever.

Bidder shall note that NIOT will not entertain any correspondence or queries on the status of the offers received against this Tender Invitation.

Canvassing in any form by any bidder or by any other agency acting on behalf of the partner after submission of bid may disqualify the said partner. NIOT's decision in this regard shall be final and binding on the partner.

40. (a) Warranty:

The Contract warrants that the Goods supplied under this Contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The contractor further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship or from any act or omission of the contractor that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination. This warranty should be minimum for the period of **minimum 12 months or 500 landings** whichever is earlier from the date of receipt & acceptance of all items and commissioning/Installation of equipment at NIOT, Chennai

The warranty certificate should be furnished in the prescribed format available on the NIOT web site at the link <https://www.niot.res.in/index.php/vendor/login> in the Contractor letterhead. If the Manufacturer **standard warranty is more than 12 months** the same shall be extended to NIOT without any restriction whatsoever. NIOT shall promptly notify the Contractor in writing of any claims arising under this warranty. Upon receipt of such notice, the Contractor shall, with all reasonable speed, repair or replace the defective Goods or parts thereof, without cost to NIOT other than, where applicable, the cost of inland delivery of the repaired or replaced Goods or parts from ex- works or ex-factory or ex-showroom to the final destination. If the Contractor, having been notified, fails to remedy the defect(s) within a reasonable period, NIOT may proceed to take such remedial action as may be necessary, at the Contractor's risk and expense and without prejudice to any other rights which NIOT may have against the Contractor under the Contract. Also, such failure shall lead to suspension of vendor from participation as deemed fit by NIOT.

(b) Defect Liability

Any defect shrinkage, settlement or any other faults for components etc., which may appear against the set quality or performance characteristics within the Defects Liability period (DLP), within 12 months the DLP and O&M shall commence immediately after acceptance of the materials after due performance trials as per SCC after the virtual completion of performance evaluation (one month) of the equipments. Arising in the opinion of the NIOT from materials or workmanship not in accordance with the contract, shall on demand which shall be made within the defects liability period, in writing by the NIOT and within such reasonable time as shall be stated therein specifying the work, materials or articles complained of notwithstanding that the same may have been passed or/and certified, paid form be amended and made good by the supplier.

Supplier at his own proper charge cost and in case of default the NIOT may employ and pay other person or persons to amend and make good such defects, shrinkage settlements or other faults and all damages, losses and expenses consequent thereon or incidental there to shall be made good and borne by the supplier and such damages, losses and expenses shall upon the NIOT, certificate in writing, be recoverable from the supplier by the NIOT or may be deducted by the NIOT from any moneys due or that may become due to the supplier. NIOT may in lieu of such amending and making good by the contractor deduct from any moneys equivalent to the cost of amending and making good such work and in the event of the amount retained being insufficient, recover the balance from the supplier, together with any expenses NIOT may have incurred in connection therewith. any defective work have been done or materials supplied by the supplier or their associates employed in NIOT the supplier shall be liable to make the same good in the same manner as if such work or materials had been subject to the provisions. Any delay in rectifying the defects within a maximum time of one month shall result in automatic extension of DLP within contract price to the extent of delay for rectification.

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

42. Performance Security:

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

- (1) Insurance Surety Bonds,
- (2) Account Payee Demand Draft (drawn in favour of "The Director N.I.O.T", Chennai in INR or in equivalent foreign currency).
- (3) Fixed Deposit Receipt from any Commercial Bank.
- (4) Bank Guarantee from any of the Commercial Banks.
- (5) 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 purchase 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 delivery / completion period as per purchase order. This format can be downloaded from the link <https://www.niot.res.in/index.php/vendor/login>.

43. Performance Guarantee/ Warranty Bank Guarantee: As per the MoFS guidelines 10% of the item value to be retained towards warranty to ensure the performance of the equipment's/systems to avoid any defect due to material/ workmanship or any omission on the part of the purchase order to rectify the same during the warranty period. If performance bank guarantee for 10% of the item value is submitted and valid till completion of the warranty period and acceptance then 100% payment will be released. The warranty Bank Guarantee will be discharged after completion of the standard warranty period.

44. Payment:

1. **90%** Payment will be released within 30 days after receipt & acceptance of all items including commissioning (deployment of equipment, data acquisition & processing, and training) and submission of commissioning report with original Invoice, other deliverables at NIOT as per the purchase order. No advance payment will be made.
2. 10% will be released after completion of the warranty period (or) on submission of warranty bank guarantee, as per NIOT format for equivalent value, and then 100% payment will be released.

45. 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.

46. 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.

47. 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.

48. 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.

49. 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.

50. 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.

51. Confidentiality

51.1. 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.

51.2. 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.

52. 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.

53. 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 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-para 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)

Sl.No	Particulars	Yes	No	Page Ref
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 Rs.1,90,000/- is enclosed along with the Technical bid			
3.	Whether accepted to submit the Purchase order acceptance within 15 days from the date of Purchase order?			
4	Whether submission of Performance Security 5% is acceptable?			
5.	Whether Quote is valid for 90 days from the due date of tender or time specified in the tender document whichever is later?			
6.	Whether payment terms of the tender is complied with?			
7.	Whether price is FOR NIOT, Chennai			
8	Whether submission of warranty certificate in the prescribed format is acceptable?			
9	Whether the delivery period is acceptable as per tender? (i.e. 1 month from the date of acceptance 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)

Ser. no.	Description of Item	Qty	Rate per unit	Amount
1.	Fixed Wing with Vertical Take Off and Landing Unmanned Aircraft System as per SCC with following : (a)RGB Camera (b)Spares and Accessories (c)Ground Control Station with Flight control and Planning software (d)Mapping Kit (Air and Ground unit) (e)Transportation box (f)Data Processing and photogrammetry software (g)Workstation (h)Commissioning (deployment of equipment, data acquisition & processing, and training.)	2 Nos		
	Total amount for F O R, NIOT Chennai (Including GST)			
	(Total Value in words _____ only)			

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

SPECIAL CONDITIONS OF CONTRACT (SCC)

The Coastal and Environmental Engineering Group of NIOT is engaged in Surveys, Oceanographic measurements, Design & Planning and Numerical Modelling for development and maintenance of infrastructure along the coast of India. Topography surveys form an important component of various studies carried out by the institute along the coast of India. In this regard it is proposed to procure 2 Numbers of Fixed Wing Vertical Take Off and Landing (VTOL) Unmanned Aircraft System (UAS) integrated with Post Processing Kinematic (PPK) / Real Time Kinematic Global Navigation Satellite System (GNSS). The detailed specifications of the equipment are provided in Table 1. Only bid in compliance with specifications as mentioned in Table 1 and pre-qualification criteria shall be considered valid for the tender process. The scope of supply and price bid is provided in subsequent sections.

Table 1 : Technical Specifications for Unmanned Aircraft System (UAV)

Sl. No	Description	Specification	Compliance to specification (Yes/No)
1.	UAV Type	Fixed Wing with Vertical Take Off and Landing	
2.	Mission	Surveying and Mapping/Professional Grade	
3.	Landing & Take-off	Vertical Take Off and Landing (VTOL)	
4.	Maximum Take-off weight (MTOW)	Up to 6.5kg or better	
5.	Flight Height above Ground Level	At least 120 m or 400 ft above ground level (Take off Altitude Maximum 2500 m AMSL)	
6.	Endurance or Max flight time	Minimum 100 minutes or more.	
7.	Sensor or Camera	One high resolution RGB camera with minimum resolution 40 MP or more	
8.	GNSS Grade	PPK/RTK Enabled onboard GNSS along with Base (Master) GNSS receiver capable to achieve accuracies as stipulated in S No13-14	
9.	Minimum coverage at 120 m (400 ft)	7 sq.km or more with one battery and forward overlap of 80% and side overlap of 60%	
10.	Aural Signature	≤ 40 dB @ 300 meters AGL (Above Ground Level)	
11.	Wind resistance/air gust	10 m/s or more	
12.	Ground Sampling Distance (GSD)	5 cm or better	

13.	Absolute X, Y accuracy	<5cm (with 95% confidence interval i.e., that the 95% of the value should lie within two-sigma of the mean) or better	
14.	Absolute Z accuracy	< 10 cm (with 95% confidence interval i.e., that the 95% of the value should lie within two-sigma of the mean) or better	
15.	Remote Controller	Joystick based controller	
16.	Battery Type	Rechargeable Li-Ion battery under International Standard Compliant and BIS certified	
17.	Emergency Recovery Mode	Ability to return back to launch pad or home position with landing accuracy of 1m or better in case of communication failure, low battery/power etc	
18.	Onboard storage	Minimum 64 GB or more (Expandable)	
19.	Airframe life	Minimum 1 year or 500 landing (whichever is earlier)	
20.	Security	128-bit encryption or better	
21.	Installation, testing and commissioning of the equipment after carrying out a pilot project	To be carried out by the manufacturer's expert within 14 days from the date of delivery	
22.	Flight planning & control software	A navigation software package that enables the user to plan and perform complex flight patterns for different surveying applications (Corridor and Area mapping) and should allow the combination of telemetry data with the recorded images/data. The software should include at least following features: <ul style="list-style-type: none"> • Flight Plan editor and monitoring • Flight book • Real time tracking and live data preview 	
23.	Data Link	Communication data link complying with international standard and certification. Frequencies used should not interfere with other users allocated frequency spectrum	

24	Communication distance between GCS and flying Drone/UAV	As per VLOS regulations and DGCA compliant	
25	Operational Temperature	-20 to +55°C (NABL/ILAC or government approved)	
26	Standard Accessories with each unit	Rugged Transport box with foam, 2 complete set of additional Battery, Dual battery charger, 2 sets of additional propellers and Field Repair Kit.	
27	Training	Atleast 05 days to 05 nos. of trainees at consignee site after delivery and Commissioning.	
28	Warranty	1Years or 500 landings whichever is earlier	
29	Workstation	Desktop system, Minimum RAM of 128GB, CPU-Intel i9, GPU- GeForce, RTX 3060,SSD – 1TB, OS – Windows 10 or better	
30	Post Processing Software	Pix4D Photogrammetric data processing software with Perpetual License.	
31	Ground Control Station	Semi rugged/rugged Toughbook, Windows 10', I5 Processor, 8GB RAM, 256 SSD, HD, IP 53, Mil-STD-810H.	

Scope of Supply:

The bidder shall supply 02 sets of Fixed Wing with Vertical Take Off and Landing (VTOL) - Unmanned Aircraft System (UAS). Each set of VTOL-UAS comprises of the following components:

1. Fixed Wing with Vertical Take Off and Landing Unmanned Aircraft System
2. RGB Camera
3. Spares and Accessories
4. Ground Control Station with Flight control and Planning software
5. Mapping Kit (Air and Ground unit)
6. Transportation box
7. Data Processing and photogrammetry software
8. Workstation

The above components are required to comply with specifications provided in Table-1.

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 16th 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