



राष्ट्रीयसमुद्रप्रौद्योगिकीसंस्थान  
NATIONAL INSTITUTE OF  
OCEAN TECHNOLOGY

संविदा आमंत्रण सूचना(नि.आ.सू.)  
**NOTICE INVITING TENDER (NIT)**



फ़ार्म संख्या:  
Form No. NIOT/S&P/NIT

**GEM-Tender Schedule**

निविदा संख्या/ Tender No.	NIOT/S&P/MBT/27753/2024-25
कोजारी Issued To	Fully automatic controlled shaking water bath
निविदाप्रणाली/Tender Mode	GEM – Custom Dual Bid
बोली का प्रकार एवं निविदा प्रस्तुतिकरण Bidding Type & Tender submission	Two Part Tender of Technical Bid and Price Bid should be submitted electronically through GeM portal <a href="https://gem.gov.in">https://gem.gov.in</a>
Submission of EMD/ ईएमडी जमा करना	<b>INR. 46,000 /-</b> in the form of Demand Draft (DD) drawn in favour of 'NIOT-OTHER RECEIPTS ACCOUNT" (clause Ref 7 for details) or Bank Guarantee as per the available format. <a href="http://www.niot.res.in/tenders_index.php">http://www.niot.res.in/tenders_index.php</a> 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.
निविदा प्रलेख उपलब्धता स्थानTender Documents available place	Bidders may download the help documents. Helpdesk number : Number: 1800-419-3436 E-Mail: <a href="mailto:helpdesk-gem@gov.in">helpdesk-gem@gov.in</a> For any issues / clarifications relating to the tender(s) published kindly contact the respective Tender Inviting Authority.
अपने प्रश्न ई मेल आईडी पर भेजें Send your queries to the email IDs	निविदा के अंतिम चरण तक/Upto Tender finalisations <a href="mailto:gopalakrishnaa.niot@gov.in">gopalakrishnaa.niot@gov.in</a> / <a href="mailto:vaidehi.niot@gov.in">vaidehi.niot@gov.in</a> / <a href="mailto:gubaran.niot@gov.in">gubaran.niot@gov.in</a>

राष्ट्रीय समुद्र प्रौद्योगिकी संस्थान **NATIONAL INSTITUTE OF OCEAN TECHNOLOGY**  
वेलचेरी ताम्बरम मेन रोड **VELACHERY TAMBARAM MAIN ROAD**  
नारायण पुरम, चेन्नै **600 100 NARAYANPURAM, CHENNAI 600 100**  
रा.स.प्रौ.सं. वेबसाइट/NIOT Website : [https://www.niot.res.in/tenders\\_index.php](https://www.niot.res.in/tenders_index.php)

**Commercial Terms Compliance sheet (The format should not be altered)**

Sl. No	Particulars	Yes	No	offer Page Ref
1	Whether every page of the tender document is signed for acceptance of tender and uploaded along with the offer?			
2	Whether Taxes and duties are shown separately in the quote. (Registration numbers for claiming the same to be strictly indicated)			
3	Whether accepted to submit the order acceptance within 7 days from the date of order?			
4	Whether EMD for <b>INR 46,000/-</b> Scanned copy and uploaded along with the technical document?			
5	Whether Quote is valid for <b>120 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 the bidder satisfies the Pre- qualification criteria			
	a. a copy of your GST Registration certificates and PAN details are attached (Mandatory qualifying condition)			
	b. Supplier should have previous experience in supply of similar items to recognized institutions. (Mandatory qualifying condition)			
8	<b>a. The Goods / items quoted are manufactured in India and not imported from any country.</b>			
	<b>b. Make in India Clause: If the item/goods are partially imported, specify your category:</b>			
	1. CLASS I Category: Supplier or service provider, whose goods, services or works offered for procurement, has local content greater than or equal to 50%.			
	2. CLASS II Category: Supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%.			
9	Whether self certification form is enclosed (For Class I & Class II supplier only)?			
10	Whether price is <b>FOR /DAP</b> NIOT, Chennai, Chittedu, Andhra Pradesh and ACOSTI, Sri Vijaya Puram, Andaman and Nicobar Island?			
11	Whether the freight cost is included, if not included whether the freight cost is indicated separately?			
12	Whether the <b>authorization letter</b> exclusively for this tender, from the original manufacturer is enclosed?			
13	a) Whether <b>warranty</b> period accepted as per tender?			
	b) Whether submission of <b>warranty</b> certificate in the prescribed format is acceptable?			
14	a) Whether the <b>delivery period</b> is clearly indicated, and is as per tender?			
	b) Whether declaration for supply within the delivery period has been filled & Signed by the competent authority ( <b>Annexure – 2</b> )			
15	Whether the cost of installation / inspection / testing explicitly mentioned in the quote?			
16	Whether Past track record of quality and service is enclosed?			
17	Whether list of deliverables attached and comply as per tender?			
18	Whether liquidated damage clause is acceptable in case of delayed supply?			
19	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?			
20	Whether item-wise price is quoted as per price bid and quoted price is realistic?			
21	Whether technical specification has been duly filled in and submitted with the tender document is uploaded along with the quotation.			
22	Whether HSN code of the product has been indicated?			
23	<b>Whether your firm is registered under MSME/ NSIC/DIC/UAM? If yes enclose copy of registration</b>			
24	Whether submission of 5% of the order value as Performance security is acceptable?			

## **PRICE BID FORMAT**

<b>S. No.</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit rate</b>	<b>Amount</b>
1.	Shaking water bath as per the specification	4	Nos.	<b><u>The price has to be quoted in GEM price Bid only and shall not be revealed. If the prices are revealed in the technical bid or otherwise, your bid will not be considered for evaluation.</u></b>	
Total Amount					
(Amount in words. _____)					

**Note:**

**# *The goods items quoted are manufactured in India and not imported from any country.***

**\* For Supply**

The GST will be paid as applicable.

**For Service**

GST @ 18% is applicable.

NIOT has enrolled under GST in the category "Tax Deductor". The bidders are requested to update their database regarding NIOT's Registration under GST-Tax Deductor.

TDS @ 2% on the order value towards GST will be deducted on payments made to the supplier in respect of goods and/or services, supplied/provided if the value exceeds Rs. 2.5 lakhs.

1. The copy of the GST registration certificate to be attached.
2. The duly filled technical and commercial compliance sheets should be submitted along with quotation/offer.

**We agree to all applicable terms and conditions listed in the tender document.**

**Signature with Seal**

## Technical specification for Fully automatic controlled shaking water bath

### Pre – qualification criteria:

SI. No.	Description	Remarks (Yes/No)
1	The vendor should have <b>minimum five orders to Govt. Institutes</b> in the last five years prior to date of opening of tender. Performance certificate should be attached.	

### Technical specification:

S. No.	Item Description	Specification	Specification of item offered/quoted
1	Capacity	Min. 20 L and max. 27 L	
2	Shaking frequency rpm	20 to 200 rpm	
3	Shaking stroke mm	15-20 mm	
4	Working temperature range (°C)	5 to 100 °C	
5	Temperature stability (°C)	±0.02 °C	
6	Setting / display resolution	0.05 °C to 0.1 °C	
7	Heating capacity (kW)	Max. 2 kW	
8	Alarm signal	Visible display/Alarm sound	
9	Bath tank inside make	Stainless steel (SS 316)	
10	Bath cover	Polycarbonate lift-up Makrolon cover	
11	Tray with clamp	Universal clamp to accommodate flasks from 25 ml to 1000 ml capacity	
12	Stabilizer	2 KVA Stabilizer	
13	Operation voltage	230 V / 50 Hz	
14	Controller and communication	i. Microprocessor technology with PID temperature control ii. Electronic timer for setting the running time (1 min to 10hrs) iii. On-line communication via built-in RS232 interface	
15	Safety features required	a) Overall splash water protection b) Early warning system with high and low temperature limits c) Drain screw with valve for conveniently emptying the bath d) IP 21 Protection for entire system e) IQ, OQ and CE Certificate: Required for the instrument manufacturing quality checking	
16	Additional features and documents	i) Original printed catalogue of product must be attached ii) Removable shaking carriage	
17	Warranty Period	3 years	
18	Delivery place	Delivery at NIOT, (Chennai) – 2Nos, Andhra Pradesh (Chittedu site) – 1No. and Sri Vijaya Puram (Andaman) – 1No.	
19	Service Support	Service support at Chennai, Sri Vijaya Puram (Andaman) and Chittedu (Andhra Pradesh) to be provided during the warranty period within the quoted price.	

20	Demo and installation with training	i). Demo should be arranged at NIOT, Chennai after technical evaluation.	
		ii). Installation and training to be given on respective delivery places.	

**Note:**

The literature/brochure/write up of the items quoted should be uploaded.

**Terms and Conditions:**

**1. Validity:** Quote should be valid for **120 days**.

**2. Payment:** Payment will be made **within 30 Days** after supply, acceptance of the materials. No advance payment shall be made.

**3. Delivery:** The items should be delivered at **NIOT (Chennai), Chittedu (Andhra Pradesh) and ACOSTI, Sri Vijaya Puram (Andaman and Nicobar Island) within eight weeks** from the date of receipt of the purchase order.

**4. Warranty:** All the supplies shall carry warranty for **thirty six months** from the date of supply and acceptance by NIOT. The format of the warranty certificate shall be furnished to the successful bidder.

**5. Part Supply:** Not Allowed. All the items should be delivered in a single lot within the stipulated time.

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

- (1) Account Payee Demand Draft (drawn in favour of "The Director NIOT", Chennai in INR or in equivalent foreign currency).
- (2) Fixed Deposit Receipt from any Commercial Bank.
- (3) Bank Guarantee from any of the Commercial Banks.
- (4) Online payment in an acceptable form.

Performance security shall be forfeited in the event of breach of order by the Contractor in terms of the order If Performance Security is not paid within the specified time, NIOT reserves its right to cancel the order.

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 order. This format can be downloaded from the link <https://www.niot.res.in/index.php/vendor/login>.

**7. EMD/Bid security:** The EMD/Bid security (**INR. 46,000/-**) 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. (BankGuarantee 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.

**8. 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) and NSIC registered bidders are eligible for EMD exemptions . 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 issue 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 NIT/LOI, such bidders will be suspended for the period of one year in participating in all tenders of NIOT.

**9. MSME Conditions:**

(a) The MSE's bidder who claim EMD request should submit the relevant document towards investment on equipment and machinery.

(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 dated 02.07.2021 & 5/2(1)2020/E-P&G/Policy dated 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 doesnot exceed 1 Crore rupees and turnover does not exceed 5 Crore rupees,

(ii) **Small Enterprises:** Where the investment in plant and machinery or equipment doesnot 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.

**10. 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 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 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.

**We agree to all terms and conditions as per tender document.**

**Date:**

**Signature of supplier**

**Place:**

**Stamp**

**Format for Self Certification under Preference to  
"MAKE IN INDIA" Policy**  
(Refer Clause No. 2.8 & 3.4.4 of ITT)

**CERTIFICATE**

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, as amended from time to time and as applicable on the date of submission of tender, we hereby certify that we M/s\_\_\_\_\_ (supplier name) are local supplier meeting the requirement of minimum **Local Content** \_\_\_\_\_% as defined in above orders for the material against Tender No\_\_\_\_\_

Details of location at which local value addition will be made is as follows:

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

Seal and Signature of Authorized Signatory

**DECLARATION**

We, M/s. \_\_\_\_\_, hereby declare that the rate quoted for the items listed in this tender "**Fully automatic controlled shaking water bath**" against bid no. \_\_\_\_\_ are readily available in the market. We have checked the availability with the manufacturer/ dealer and we will supply all the items in single lot within **eight weeks** from the date of order.

Seal and Signature of Authorized Signatory



