

**निविदा दस्तावेज़**  
**TENDER DOCUMENT**

कोच्चि में एमपीईडीए गुणवत्ता नियंत्रण प्रयोगशाला के लिए पूर्ण गैस  
क्रोमैटोग्राफी ट्रिपल क्वाड्रुपोल सिस्टम का प्रापण

**PROCUREMENT OF COMPLETE GC-MS/MS SYSTEM FOR  
MPEDA QUALITY CONTROL LABORATORY AT KOCHI**

टेंडर सं / TENDER NO : LAB-KOC/PUR(MSMS)/1/2021-LAB  
दिनांक / DATE : 18/11/2022



समुद्री उत्पाद निर्यात विकास प्राधिकरण  
(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार )  
मुख्यालय, एमपीईडीए हाउस,  
बिल्डिंग नं 27/1162, पीबी नं 4272  
पन्नमपिल्ली एवेन्यू, पन्नमपिल्ली नगर पीओ  
कोच्ची-682 036, केरल

**The Marine Products Export Development Authority**  
**(Ministry of Commerce & Industry, Govt. of India)**

Head Office, MPEDA House,  
Building No: 27/1162, PB No: 4272, Panampilly Avenue, Panampilly Nagar P O,  
KOCHI-682 036, KERALA

## 1 निविदा आमंत्रित करने का नोटिस



समुद्री उत्पाद निर्यात विकास प्राधिकरण  
(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार)  
मुख्यालय, एमपीईडीए हाउस, बिल्डिंग नं.27/1162, पीबी नं.4272  
पन्मपिल्लै एवेन्यू, पन्मपिल्लै नगर पीओ  
कोच्ची-682 036, केरल  
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E-mail: [ho@mpeda.gov.in](mailto:ho@mpeda.gov.in), [support@mpeda.gov.in](mailto:support@mpeda.gov.in)  
Web: [www.mpeda.gov.in](http://www.mpeda.gov.in)

### टेंडर नोटिस

फा सं / **File No:** LAB-KOC/PUR(MSMS)/1/2021-LAB

दिनांक/Date: 18/11/2022

समुद्री उत्पाद निर्यात विकास प्राधिकरण (एमपीईडीए), कोच्ची, भारत सरकार के निधिकरण के तहत एमपीईडीए गुनि प्रयोगशाला, कोच्ची में गैस क्रोमैटोग्राफी ट्रिपल क्वाड्रुपोल सिस्टम की आपूर्ति, स्थापना और प्रवर्तन के लिए पात्र बोलीदाताओं से एकल चरण : अलग दो बोली प्रणाली (तकनीकी बोली और वित्तीय बोली) के तहत ई -टेंडरिंग प्रणाली के माध्यम से बोलियां आमंत्रित करता है। प्रत्येक मद के लिए आवश्यकताओं और नियमों और शर्तों के विवरण एमपीईडीए वेबसाइट : <http://mpeda.gov.in> और ई -प्रापण पोर्टल <https://eprocure.gov.in> में उपलब्ध हैं। बोली प्रस्तुत करने की समय सीमा : दिनांक 10/12/2022 को 1700 बजे तक होगी। जैसा कि उल्लेख किया गया है सभी बोलियाँ, बोली सुरक्षा के लिए (या तो पीडीएफ या जिप प्रारूप में) स्कैन्ड प्रति के साथ होनी चाहिए। बोलियों को दो अलग-अलग हिस्सों अर्थात् तकनीकी बोली और वित्तीय बोली में अपलोड किया जाना आवश्यक है। तकनीकी बोली एमपीईडीए, मुख्यालय में ऊपर दिए गए पते पर दिनांक 12/12/2022 को 1000 बजे खोली जाएगी। जिन बोली दाताओं की तकनीकी बोलियाँ योग्य हो जाती हैं, उनकी वित्तीय बोलियों को बाद की तारीख में खोला जाएगा।

हस्ताक्षर- /

सचिव

एम पी ई डी ए, कोच्चीक

## 1. Notice Inviting Tender



### **The Marine Products Export Development Authority (Ministry of Commerce & Industry, Govt. of India)**

Head Office, MPEDA House, Building No: 27/1162, PB  
No:4272Panampilly Avenue, Panampilly Nagar PO, KOCHI-682 036,  
KERALA

Telephone (EPABX) : +91 484 2311901 / 2311033 / 2315199

E-mail: [ho@mpeda.gov.in](mailto:ho@mpeda.gov.in), [support@mpeda.gov.in](mailto:support@mpeda.gov.in)

Web: [www.mpeda.gov.in](http://www.mpeda.gov.in)

### **TENDER NOTICE**

**File No:** [LAB-KOC/PUR\(MSMS\)/1/2021-LAB](#)

**Date:**18/11/2022

The Marine Products Export Development Authority (MPEDA), Kochi invites bids through e-Tendering System under the single stage: two bid system in separate (i.e. Technical bid and Financial BID) from eligible bidders for the supply, installation and Commissioning of the complete GC-MS/MS to MPEDA QC Laboratory, Kochi, Kerala under Government of India funding. The details of requirements and terms & conditions for each item are available in the MPEDA Website: <http://mpeda.gov.in> and E-procurement portal <https://eprocure.gov.in>. Dead line for submission of bid: **1700 hrs on 10/12/ 2022**. All bids must be accompanied with a scanned copy of bid security (either in PDF or zip format), as mentioned. The bids are required to be uploaded in two separate parts i.e. Technical bid & financial bid. The Technical bid will be opened at **1000 hrs. on 12/12/2022** at the MPEDA Head Office at the address given in the above. The financial bids of bidders whose Technical bids get qualified would be opened at a later date.

**Sd/-**

**SECRETARY MPEDA, KOCHI**

## 2. Introduction

The Marine Products Exports Development Authority (MPEDA) (hereinafter referred as "MPEDA") is a statutory body under the Ministry of Commerce and Industry, Government of India. MPEDA with its Head office at Panampilly Nagar, Kochi is entrusted with the primary task of promotion of export of marine products from India.

## 3. Job Description

MPEDA invites bids through e-Tendering System in two bid system in separate online entries (i.e. Technical bid and Financial bid) from eligible bidders for the supply of the laboratory equipments under Government of India funding prescribed format are invited from reputed firms/dealers for entering into contract with The Marine Products Export Development Authority (MPEDA), Kochi for delivery , installation/commissioning of complete **GC-MS/MS** to its " MPEDA QC LABORATORY KOCHI,KERALA" .

Interested bidders may obtain further information from the Head office of MPEDA at the address given below from 10:00 to 17:00 hrs. (IST) on all working days -

**Quality Control Laboratory,**

**The Marine Products Export Development Authority**

**(Ministry of Commerce & Industry, Govt. of India)**

**5<sup>th</sup> Floor, MPEDA House, PB No: 4272, Panampilly Avenue,**

**Panampilly Nagar P. O., KOCHI-682 036, KERALA**

**Telephone (EPABX) : +91- 484- 2311803 / 2311901/ 2311854**

**E-mail: [maahesh@mpeda.gov.in](mailto:maahesh@mpeda.gov.in) , [lab.koc@mpeda.gov.in](mailto:lab.koc@mpeda.gov.in) Web: [www.mpeda.gov.in](http://www.mpeda.gov.in)**

Detailed tender document may be downloaded from procurement portal <https://eprocure.gov.in> or details from MPEDA Website: <http://mpeda.gov.in> prior to the deadline for submission of bids. The bids shall be submitted online following the instructions appearing on the screen. After downloading / getting the tender document/schedules, the bidder should go through them carefully and then submit the documents as asked, otherwise bid will be rejected. It is instructed all the bidders to read all terms and conditions before submitting their offer.

Deadline for submission of bid: **1700 hrs on 10-12-2022**. All bids must be accompanied with a scanned copy of bid security (Tender fee & EMD). In case bidder has any problem in uploading the scanned copies of documents for payment of bid security, he/she must submit the copy of original bid Security at MPEDA Head Office address before opening of bid. The bid Security (Demand Draft drawn in the name of "Secretary, MPEDA, Kochi") shall be deposited in "**ORIGINAL**" in a sealed

envelope before bid opening date and time to the address given above.

The bids are required to be uploaded in two separate parts i.e. Technical bid & financial bid (BOQ). The Technical bid will be opened at **1000 hrs. (IST) on 120-12-2022**. The financial bids of bidders whose Technical Bids get qualified only would be opened at a later date.

The bidders may visit MPEDA website and e-procurement portal [www.mpeda.gov.in](http://www.mpeda.gov.in) & <https://eprocure.gov.in>, for more information and/ or download the bid document.

#### **4. Scope & Description of Contract**

##### **General Definitions**

All definitions and interpretation of terms used in this tender notice are as defined in the GFR 2017 and the Manual for Procurement of Goods 2017 of Department of Expenditure, Ministry of Finance, Government of India.

##### **Scope**

The tenders are invited for the supply, installation and commissioning of the equipment, the details of which are mentioned at **Clause 7.1** needed for the MPEDA QC Laboratory, Kochi, Kerala. The tender has an option for buy-back of existing equipment, specifications of which are provided in **Clause 9.3** below. The Marine Products Export Development Authority (hereinafter called as the MPEDA) is acting as the Central Procurement Agency. The main objective is to obtain bulk discount through central procurement and 'excellent' after sales service to the equipments procured under this tender. For this, MPEDA will undertake and oversee the procurement process, ensure that the successful bidders are installing the equipments properly at the location specified and provide the sales and service during the agreed period of contract in respect of the equipments installed under this contract to the satisfaction of the MPEDA as well as the Lab.

#### **5. Eligibility Criteria**

- The bidder shall be an agency having minimum financial turnover of **Rs. Five Crore** and above in the relevant business in a financial year, during the last three years commencing from **2019-20**.
- The bidder shall submit audited balance sheet for the last 3 years.
- The bidder should have minimum experience of 5 years in the relevant field. Proof for the same shall be submitted with the technical bid.
- The bidder shall submit copy of GST registration and PAN Card with the technical bid.

- The bidder should not have been Black listed by any Government firms in India. A declaration in this regard should be submitted along with the technical bid.
- The bidder should have adequate number of technically qualified personnel essential for the successful implementation & completion of the project within the stipulated time. A list of technically qualified personnel in its roll should be submitted along with the technical bid.

## 6. Tender Schedule

### Tender Details

6.1	Tender enquiry No	<a href="#">LAB-KOC/PUR(MSMS)/1/2021-LAB</a>	
6.2	Equipment Detail	Complete GC-MS/MS System with optional items	
6.3	Cost of tender Document (fee) INR	2,500/-	
6.4	EMD Amount in INR	5, 00,000/- per model	
6.5	Validity of offer	210 days	
6.6	Published date	18-11-2022	1600 hrs
6.7	Date of release of tender	18-11-2022	1700 hrs
6.8	Pre-bid Conference Date and Time	24-11-2022	1000 hrs
6.9	Clarification start date	25-11-2022	0900 hrs
6.10	Clarification end date	29-11-2022	1700 hrs
6.11	Bid submission start date	05-12-2022	1400 hrs
6.12	Bid submission end date	10-12-2022	1700 hrs
6.13	Technical bid opening date	12-12-2022	1000 hrs

## 7. Details of Equipment:

Table :7.1		
Sl. No	Equipment	Quantity
7.1	Complete GC-MS/MS System with optional items for 2 year comprehensive warranty	1

## 8. TECHNICAL SPECIFICATIONS

Sl No.	Parameter	Specifications
<b>I) MS System:</b>		
1	<b>Triple Quadrupole</b>	<p>1) Quadrupole having high standards of mechanical tolerance and minimum coefficient of thermal expansion to ensure highest mass stability.</p> <p>2) Specific operating conditions for the equipment may be indicated clearly (eg: Room temperature, Humidity, etc and indicate the instrument cutoff limits due to environmental conditions). Any additional requirements not indicated in tender document arising during/after installation of the equipment will have to be borne by the supplier.</p>
2	<b>Mass Range</b>	10-1000 amu or better
3	<b>Scan Speed</b>	Should have the scan speed of 20,000 amu /sec or better.
4	<b>Mass Resolution</b>	0.7 amu or better at unit mass resolution
5	<b>Mass Stability</b>	0.1 Dalton over 24 hours or better (please specify condition)
6	<b>Ion Source</b>	<p>EI standard shall be quoted EI source with dual filaments in all ionization modes with temperature programmable.</p> <p>Temperature Range: 50°C to 350°C or better</p> <p>CI source shall be quoted as an optional item. Detailed specification and user manual shall be provided. <b>( Annex I).</b></p>
7	<b>Sensitivity</b>	<p>1) EI Scan: (Specify)-“Determine S/N , IDL (obtained) with 1 µL of 100 pg/µL (ppb) OFN for the following transition m/z 272.</p> <p>2) EI MRM: (Specify)- “Determine S/N , IDL (obtained) with 1 µL of 1 fg/µL (ppt) OFN for the following transition m/z 272 to m/z 222</p> <p>(a) Chromatographic signal to noise without smoothening. RMS should be used for estimating S/N.</p> <p>(b) CV with number of repetitive injections (minimum three injections, CV&lt; 0.5 % or better).</p> <p>Experimental evidence (Raw Data and COA of OFN) and column details shall be provided along with Tender.</p>
8	<b>MRM</b>	MRM Speed : 800 MRM transitions/second (Specify)
9	<b>Dwell Time</b>	0.5 msec or better
10	<b>Interface</b>	<p>Temperature range up to 350°C or better</p> <p>Interface connection type may be specified.</p>

11	Operating modes	1) Full scan 2) SIM 3) Product ion scan 4) Precursor ion scan 5) Neutral loss/gain scan time segment based 6) Multiple Reaction Monitoring (MRM)/SRM 7) Information dependent acquisition system or equivalent scan mode of MRM/SRM to high sensitivity product ion scan for library confirmation.
12	Collision Cell	a) Less MRM/SRM dwell time (specify in milli seconds). Suitable for high sensitivity MRM studies. b) Collision Gas: specify
13	Dynamic range	6 <sup>th</sup> order (or) better with documentary evidence.
14	MS Detector	a) The detector must have a digital range of 1 to e <sup>6</sup> cps (or) better (specify).
		b) Electron multiplier detector/Photomultiplier detector (specify)
		c) Life of detector to be specified based on scan hours or year wise.
15	Tuning tool	Automatic for standard as well as optional sources.
16	Vacuum system	a) A robust high efficiency vacuum system with minimum maintenance and utility with low noise level and automatic vacuum lock system.
		b) Vacuum pump with noise reduction cover/facility. Oil free vacuum pump shall be quoted as optional item in <b>Annex I</b> .
		c) All accessories of roughing/backing pump (as per consumable list- <b>Annex - II</b> ) required for the proper functioning of the vacuum system should be supplied for two years/warranty period. Manufacturer maintenance schedule to be provided along with tender. Original spares/consumables shall only be used during entire warranty and contract period through supplier.
17	Tool Kit	a) Tool Kit: 170 PC SOCKET SET (Make :Stanley, 96-011) (Annex I)
II) GC- SYSTEM		
18	GC (Fast GC) Complete system and should be controlled by single software.	Single software shall be suitable to operate vacuum pump, Auto sampler, head space (HS) GC, column oven, MS/MS
19	Column	1) Columns (capillary column 30m/60m) 10 nos along with the equipment. Column requirement and supply schedule given in <b>Annex-III</b> (for analysis of organochlorine, organophosphorus, carbamates,



		Polychlorinated biphenyls, pyrethroids, Poly Aromatic Hydrocarbon).
20	Carrier Gas Control	a) Split ratio: Specify give value b) Pressure range: 0–100 psi or better (Specify) c) Modes: specify d) Total flow setting: specify e) Electronic Pneumatic Controller enabled flow controller. f) Shall have carrier gas saver function.
21	Injector	System shall have two injector systems 1. <b>Split/Split less Injector:</b> system shall have both options Liners shall be replaceable- 10 no.s shall be quoted. Split Ratio Range: Specify Maximum Temperature : 400°C or better 2. <b>PTV Injector:</b> System should have multimode PTV temperature ramped inlet system. (Specifications may be provided) and it shall perform following functions a) Programmed Split b) Programmed Split less c) Vaporizing split less d) Cold on column- Cold on column has to be quoted as optional. Minimum temperature of cold on column from ambient temperature. e) Hot on-column- has to be quoted as optional. f) Large-volume injection
22	Auto sampler	a) Robotic system with XYZ movement capability having option to add features listed in 23. b,c,d etc . The Auto sampler must accommodate greater than 50 vials. Vial capacity: up to 2ml. 10,000 vials with cap & septa shall be supplied. <b>b)</b> Temperature controlled vial tray keeping the samples in a cooling condition (temperature range from 4 to 15°C) in Auto sampler shall be quoted as optional item in <b>Annex 1</b> c) Sample Diluter: - Single or multi solvent dispensing tool for dilution with external solvent reservoirs shall be quoted as optional item in <b>Annex 1</b> d) Sample mixer: Shall have facility to accommodate 2 ml vial shall be quoted as optional item in <b>Annex 1</b> e) Injection accuracy: $\leq 0.5\%$ RSD (for Area, n= 6) Shall accommodate syringe compatible with on column, PTV & Split, Split less injectors. Capacity 1 to 50 $\mu$ l. Syringe Needle: (specification compatible with auto sampler and injector quoted.) f) Injection Linearity $r^2 \geq 0.995$ ( 1 to 6 $\mu$ l) g) Needle washing facility: Large volume washing and waste vials (100 nos) shall be provided. h) Syringe cleaning tool shall be provided. i) Manual injection syringe 10 $\mu$ l-1 number shall be provided.

23	<b>Headspace (HS)</b> (Quoted as optional item in Annex 1) Stand alone model for Head Space has to be quoted	Specification:
		a) Vial Volume : 10-20 ml
		b) Vial Type: Crimp top closure type (suitable crimper and de crimper shall be provided).
		c) 1000 nos of quoted vials with septa shall be provided.
		d) Vial Capacity: 60 vials or more
		e) Vial warming/ Oven Temperature from 30 to 280 °C with 1°C increment set or better, Accuracy ±0.1 °C.
		f) Equilibration Time: 0 to 500 min with increment 0.01 min
		g) Vial Shaking modes: Specify
		h) Transfer line Temperature: Off to 200 °C settable in 1°C increments
		Timing :- i) Pressure equilibration time: specify j) Vial equilibration time: Specify
		k) Loop volume : specify
24	<b>Column oven</b>	1) Column oven should be large enough to accommodate two capillary columns. ( 2 injector,2 column & 2 Detector configuration) a) Temperature range:4 to 450°C b) Resolution: 0.1 °C c) Ramp/plates: minimum 20 ramps with 21 plates or better d) Heating rate: 120°C/min e) Cooling time:450°C to 50°C in 4 minutes or better
		2) Safety functions like leak sensor, high temperature cut-off
<b>III) Computer system</b>		
25	<b>Computer Platform</b>	a) Suitable compatible branded computer (Specify), 1) 11 <sup>th</sup> Generation Intel Core i7 Processor with minimum 12 MB Cache, 8 Cores, 2.3 GHz to 3.8 GHz or Higher 2) Intel OEM Chipset or higher 3) 64 GB DDR5 3200 MHz RAM or higher, expandable up to 128 GB or better
		b) 4 TB Serial ATA hard drive (7200 RPM)
		c) DVD-RW- 1 No
		d) 29" LED monitor
		e) <b>Original Operating System with licence for 5 year</b> 1. Windows 10 professional or higher (compatible) 2. MS Office : Microsoft 365 Business Premium 3. Adobe professional : <b>Acrobat</b> Pro DC
		f) <b>Input devises:</b> Optical 2 button scroll mouse and mechanical keyboard (wireless). Camera (4000 MP) or better
		g) <b>Ports:</b> USB-3.0 (>8 nos), HDMI 2, Parallel port – 2nos, 1 serial port, 2 PCI, 1 PCI EX1, Audio, Ethernet 3 Nos etc.
		h) <b>Network card:</b> 10/100/1000 Mbps
		i) Compatible Antivirus (specify) with two years total security

		<p>j) External Hard Disk – Solid State Drive -2 TB-one number shall be provided</p> <p>k) <b>Two computer systems</b> with the above specifications and licensed software per instrument for working online as well as offline simultaneously.</p>
26	<b>MS Library</b>	<p>NIST Mass Spectral Library with RI and MS</p> <p>-- Wiley Registry 12<sup>th</sup> Edition / NIST 2020 Mass Spectral Library --</p> <p>Maurer/Pfleger/Weber Mass Spectral Library for Drugs, Poisons, Pesticides, Pollutants and their metabolites.</p>
<b>IV) SOFTWARE</b>		
27	<b>Quantification software system/ Computer software</b>	<p>a) Software of latest version which fulfills the requirement of 21 CFR Part 11 in both the computers.CDS (Chromatography Data System) shall be provided and should be compatible to LIMS.</p> <p>Easy to use software. Single software for data acquisition (quantitative and qualitative) and data processing. Completely automated quantitative and qualitative data processing capability. Automated mass calibration and optimization of operating parameters. It should maintain library search facility, ion ratio, simple report format, etc. Single point control of pump, auto sampler, Head Space , column oven &amp; MS/MS.</p> <p>b) Graphic method of editing, auto tune, and library, Ion Ratio as per Regulatory requirements of all importing countries shall be available.</p> <p>c) Automated calibration and quantitative optimization</p> <p>d) Automated MS to MS/MS switching a single run with user selectable criteria.</p> <p>e) Automated quantification &amp; reporting of acquired samples</p> <p>f) If the company brings out any software up gradation within the warranty and contract period (for 10 years), up gradation of both the systems to the latest software including OS shall be done free of cost. The certificate in this regard to be issued from principal.</p> <p>g) Number of licence/user for software shall be specified.</p> <p>h) Data export/ import options (specify all possible formats)</p> <p>i) Licenced MS office software shall be provided.</p> <p>j) Licenced Adobe professional (latest version).</p> <p>k) In case of data loss/ corrupted, the software shall be re-installed free of cost during entire contract period.</p>
<b>V) GAS CYLINDERS</b>		
28	<b>Gas Cylinders</b>	<p>a) Suitable gas cylinder(s) with equal numbers of regulators and purifying panels for the system. If gas cylinders required, minimum three numbers shall be provided. Cylinder Certificate shall be provided and in compliance with IS 7285 (Part 2) 2004 specifications.</p> <p>b) Purifying panel includes- moisture trap, oxytrap, hydrocarbon and other type filters for each gas.</p> <p>c) Gas Regulator Panel should be able to supply all the gases required for the GC-MSMS instrument at required purity, pressure and flow rate.</p> <p>d) List of spares/ consumables required for indigenous items may be indicated in <b>Annex X</b>.</p>

		e) Four wheeled single cylinder trolley shall be quoted.
<b>VI) SPARES &amp; CONSUMABLES</b>		
29	<b>Spares and consumables</b>	a) Shall provide consumables for complete GC MSMS system (all components) <b>2</b> years and specify in <b><u>Annex-II</u></b> . b) Requirement for entire consumables shall be clearly specified in the Annex II.
VI) Furniture and fixture		
30	<b>Table</b>	Suitable table shall be provided along with instrument. Requirements and dimension shall be fixed on consultation with user end.

## **9. TERMS AND CONDITIONS**

1	<b>Model and year of introduction of the instrument</b>	Shall be mentioned in the tender along with original brochures/catalogue. Though the specifications given are of basic and general in nature, preference will be given for selection of higher - end version. Therefore, bidders are advised to quote for different models specifying the year of introduction.
2	<b>Place of installation &amp; commissioning</b>	MPEDA Quality Control Laboratory, 5 <sup>th</sup> floor, Building No: 27/1162, MPEDA House, Kochi- 682 036, Kerala.
3	<b>Particulars of old GC-MS system for disposal on buy-back/exchange</b>	<b>GC MS -1No.</b> a) <u>QP 2010 Plus (Shimadzu)</u> with GC-ECD 2010, Injector AOC 20i, Sampler AOC20s (year of installation: 2007) and HT-3 Head Space (Teledyne Tekmar). b) GC-MS system with Accessory instruments at MPEDA QC Laboratory, 5 <sup>th</sup> floor, MPEDA House, Post box: 4272, Panampilly Avenue, Panampilly Nagar P.O, Kochi – 682036, Phone: 0484-2311901, 2311803.E-mail: <a href="mailto:lab.koc@mpeda.gov.in">lab.koc@mpeda.gov.in</a> c) The accessory instruments include vacuum pump (Edwards-E2M 1.5) etc excluding UPS & batteries, computer. d) The buy-back / exchange price offered for the old system(s) and accessories to be quoted separately. e) MPEDA reserves the right to accept or reject any offer for buy-back/exchange based on the merits and de-merits of the offer. f) The equipment for disposal can be examined by the bidders on as is where condition, is on any working day between 10.00 to 16.00 hrs (except Saturday, Sunday & Central Government holidays), at 5 <sup>th</sup> floor, MPEDA QC Lab, Building No: 27/1162, Panampilly Nagar, Kochi-36, Kerala. g) The equipment with its accessories (except computer) shall be taken out of our above mentioned facility before installation of new equipment in case the buy-back offer by the bidder is accepted by MPEDA.
4	<b>Customs clearance, delivery and installation of equipment:</b>	a) The confirmation of acceptance of purchase order by the supplier shall be given within 7 (seven) days from the date of issue of purchase order. b) Customs clearance & delivery to respective sites shall be the

		<p>responsibility of the supplier.</p> <p>c) The demurrage/AAI charges if any shall be borne by the supplier.</p> <p>d) Tender offer will not be accepted for any deviation in the clause no. 9.4.b &amp; 9.4.c.</p> <p>e) Delivery at respective site to be completed within 8 weeks from the date of acceptance of the purchase order.</p> <p>f) Short shipment and part shipment are not allowed.</p> <p>g) Installation and commissioning of equipment and supporting accessories shall be completed within 2 weeks from the date of delivery at place of installation &amp; commissioning mentioned in 9.2 above (5<sup>th</sup> floor, Building No: 27/1162, MPEDA House, Kochi- 682 036, Kerala).</p> <p>h) In case of delay in supply, installation and commissioning of the equipment, penalty @ <b>Rs. 10,000</b> per day shall be charged from the date of expiry of eight (8) weeks from the date of acceptance of the purchase order and two(2) weeks from delivery at site. Such amount will be deducted from any amount due or which may become due to the supplier.</p>
5	<b>Price</b>	<p>a) The price shall be quoted in Indian currency only, indicating break-up for the equipment and accessory instruments, details of import duty/ tax as applicable and other over-heads in case of import. The price shall be inclusive of all costs of freight, insurance, customs clearance, transportation, delivery (delivery at site of installation) and installation &amp; commissioning at the laboratory.</p> <p>b) The price shall be quoted with and without buy-back offers, separately as per <b><u>BoQ</u></b>.</p> <p>c) MPEDA reserves the right to accept or reject any offer for buy-back/exchange based on the merits and de-merits of the offer.</p>
6	<b>Mode of payment</b>	<p>a) 50 % Payment against Delivery</p> <p>b) 50 % Payment against Installation, Commissioning and satisfactory training on Complete GC-MS/MS system and receipt of Performance Bank Guarantee (PBG) for 3% (as per the current GFR norms, and subject to change as per Govt. of India notifications) of total invoice value of complete system from any commercial banks.</p> <p>c) The PBG shall be submitted by bidder within 14 days after receipt of contract and it should remain valid for 60 days beyond the date of completion of all contractual obligation of the</p>

		<p>supplier, including warranty obligations.</p> <p>d) The bidder shall be responsible for payment of any charges due to any statutory authorities such as Income Tax, CGST, SGST, IGST, Cess, Customs Duties etc.</p> <p>e) If the BOQ columns with regard to customs duty, CGST, SGST and IGST are left blank, then it will be considered as zero (inclusive in the basic financial) or not applicable and BOQ will be considered for evaluation.</p>
7	<b>Warranty</b>	<p>a) 2 years comprehensive warranty for complete system from the date of commissioning and satisfactory training including spares, all consumables required (as per Annex-II).</p> <p>b) Warranty conditions for optional accessories shall be same as GC-MS/MS and need to be quoted separately (<b><u>Annex-I</u></b>)</p> <p>c) Complete set of spares and consumables as standby shall be provided/made available along with the equipment from time to time during the period of warranty.(schedule of supply of listed items ( Annex II) shall be specified)</p> <p>d) The selected supplier of the equipment shall provide at least 3 Preventive Maintenance (PM) visits and unlimited breakdown calls per year by the service/application support for complete system (Auto sampler, HS, GC, MS/MS) during the entire warranty period (enclose – Annex-V). Protocol and PM Check list shall be provided for complete system.</p> <p>e) Periodic IPV (1 per year) of the complete equipment including all accessories with traceable standards have to be carried out by the manufacturer/bidder free of cost during the entire/extended warranty period (as applicable). IPV Protocol and complete report shall be provided on each time.</p> <p>f) Definite time schedule for servicing of equipment, schedule of compulsory PM visits, etc shall be indicated in the terms &amp; conditions for warranty.</p> <p>g) For delay in attending break-down call <b>beyond 2 (two) working days of the supplier or 48 hours , whichever is earlier, a</b></p>

		<p><b>penalty @ INR 2,500/- per day shall be charged.</b> The maximum penalty amount limited to 5% of the total instrument cost. Such amount will be deducted from any amount due or which may become due to the bidder. <b>The warranty period shall automatically stand extended by the number of days taken to rectify the defects</b> (from the third day onwards).</p> <p>h) Performance of the supplier shall be evaluated annually and outcome of the evaluation of the same will be intimated.</p> <p>i) The firm shall give a warranty certificate as per the format attached in the tender document <b>(Annex IV)</b>.</p> <p>j) Maintenance chart &amp; schedule of replacement for all the components of the complete system shall be provided.</p> <p>k) In case any failure/departure from the scheduled PM visits during the warranty period, Rs. 10,000/- per visit will be deducted from the PSD kept with MPEDA. The maximum penalty amount limited to 5% of the total instrument cost.</p> <p>l) Shall provide prompt after sale service/technical support capable of attending on short notice at Kochi where the equipment is installed.</p> <p>m) Service shall be done only through authorized service provider.</p>
8	<b>Comprehensive Maintenance Contract (CMC)/</b> <b>Annual Maintenance Contract (AMC)</b>	<p><b>Comprehensive Maintenance Contract (CMC)</b></p> <p>a) The cost/rate and the terms and conditions for CMC along with charges for IPV with PM kit and traceable standards for two years, after the warranty period (3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup> &amp; 10<sup>th</sup> years) have to be quoted as per <b>Annex-VI</b>.</p> <p>b) <b>CMC includes service and supply of all the components for the complete system installed. Spares and consumables include detectors, source filament, vials (minimum 2000 numbers), syringes and other components for the effective functioning.</b></p> <p>c) The selected service provider of the equipment shall provide at least 3 Preventive Maintenance (PM) visits and unlimited breakdown calls per year by the service/application support for</p>



complete system (Auto sampler, HS, GC, MS/MS ) during the CMC period as per the terms and condition stipulated in the Annex VI.

- d) For delay in attending break-down call/service call beyond **two working days of the supplier or 48 hours , whichever is earlier**, a penalty @ 0.5% of CMC cost will be deducted per day shall be charged. Such amount will be deducted from any amount due or which may become due to the bidder.
- e) In case of any failure/departure from the terms & conditions specified in the CMC with regard to the stipulated PM visits, a maximum amount of Rs. 1.00 lakh per visit in case of CMC, will be deducted from the CMC amount due to the service provider.
- f) In case of any pandemic situation/lock down / logistic hurdles imposed during CMC period beyond control of service provider based on the official announcements by the Govt. of India, or State Governments where the equipment or service providers are stationed, such period of no service shall be extended further from the due date of the contract. Such incidents shall be brought to the notice of MPEDA in advance.
- g) In case of CMC, a delay in supply / replacement of spare parts beyond 10 days from the date of service report by authorized personnel will warrant an extension of the CMC period by the number of actual days of delay for the supply / replacement of spare part and rectification of the complaint.
- h) The payment terms for the CMC shall be as per GFR (Govt. of India) 2017 applicable and amendments there to with reference to Rule No.172.1.ii.c as applicable for CMC, under which 50% of the CMC amount shall be paid in advance to the service provider upon signing the CMC document and the balance will be paid to the service provider upon successful completion of the CMC.
- i) Calibration (IPV) of complete system (GC-MS/MS with all its accessories) shall be done once in a year (from 3<sup>rd</sup> to 10<sup>th</sup> year) with valid & traceable calibration standard (free of cost) and



		<p>provide calibration report.</p> <p>j) Service shall be done only through authorized service provider.</p>
		<p><b>Annual Maintenance Contract (AMC)</b></p> <p>a) The cost/rate and the terms and conditions for AMC along with charges for IPV with PM kit and traceable standards for ten years, after the warranty period (3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup> &amp; 10<sup>th</sup> years) have to be quoted as per <b>Annex-VI</b>.</p> <p>b) <b>AMC includes service of the complete system including all accessories installed.</b></p> <p>c) The selected service provider of the equipment shall provide at least 3 Preventive Maintenance (PM) visits and unlimited breakdown calls per year by the service/application support for complete system (Auto sampler, HS, GC, MS/MS ) during the AMC period as per the terms and condition stipulated in the Annex VI.</p> <p>d) For delay in attending break-down call/service call beyond <b>two working days of the supplier or 48 hours , whichever is earlier</b>, a penalty @ 0.5% of AMC cost will be deducted per day shall be charged. Such amount will be deducted from any amount due or which may become due to the bidder.</p> <p>e) In case of any failure/departure from the terms &amp; conditions specified in the AMC with regard to the stipulated PM visits, an amount of Rs. 10,000/- per visit in AMC, will be deducted from the AMC amount due to the service provider.</p> <p>f) In case of any pandemic situation/lock down / logistic hurdles imposed during AMC period beyond control of service provider based on the official announcements by the Govt. of India, or State Governments where the equipment or service providers are stationed, such period of no service shall be extended further from the due date of the contract. Such incidents shall be brought to the notice of MPEDA in advance.</p> <p>g) The payment terms for the AMC shall be as per GFR (Govt. of India) 2017 applicable and amendments there to with reference</p>

		<p>to Rule No.172.1.ii.c as applicable for AMC, under which 50% of the AMC amount shall be paid in advance to the service provider upon signing the AMC document and the balance will be paid to the service provider upon successful completion of the AMC.</p> <p><b>h)</b> Calibration (IPV) of complete system (GC-MS/MS with all its accessories) shall be done once in a year (from 3<sup>rd</sup> to 10<sup>th</sup> year) with valid &amp; traceable calibration standard (free of cost) and provide calibration report.</p> <p>i) Service shall be done only through authorized service provider.</p>
9	<b>IQ, OQ &amp; PQ</b>	To be done free of cost with traceable standards during on installation and after rectification of any major breakdown/reinstallation (complete system including GC, HS, and auto sampler) during first 10 years.
10	<b>Training of personnel</b>	<p>a) Pre-installation training on instrument operation, software operation, maintenance, method development, trouble shooting etc., (including travel &amp; accommodation) shall be imparted at supplier's laboratory in India free of cost for \3 personnel.</p> <p>b) After installation, hands on training on instrument operation, software operation, maintenance, method development, trouble shooting etc., for a period of four weeks (4 different occasions) to all our technical personnel.</p> <p>c) Certificate to be issued to individuals for above trainings in each occasion.</p>
11	<b>End user list</b>	<p>The supplier shall have at least three installations and operation of the quoted equipment (anywhere) . User list has to be furnished as per the <b><u>Annex-VII</u></b>.</p> <p>If the latest model has launched recently, a declaration from the bidder shall be provided for the same.</p>
12	<b>Period of validity of the offer/tender</b>	210 days.
13	<b>Specification sheets</b>	Detailed specification sheet(s) highlighting all the technical and other specifications must be attached ( <b><u>Annex VIII</u></b> ).
14	<b>Cost of tender documents</b>	The tender document may be downloaded from MPEDA website and the amount of ₹2,500/- (Rupees Two Thousand five hundred only) may be paid towards the tender document fee by Demand draft or Multicity cheque in favour of Secretary, MPEDA, Kochi.
15	<b>Last date and time of receipt of tender</b>	<b><u>1700 hrs on 10.12.2022</u></b> . Tenders received late for any reason whatsoever it is, shall not be entertained. MPEDA has the right to reject any or all tenders without assigning any reason.
16	<b>Submission of tender</b>	The tender shall be duly signed, sealed, super-scribed as "Tender for supply of ....." and submitted to: <b>Joint Director (QC), The Marine Products Export Development Authority, MPEDA House, Panampilly Avenue, Kochi – 682 036, Kerala, INDIA.</b>

17	<b>Installation Check out specification.</b>	To be specified in detail. [Pre Installation requirements (electrical points, earthing, instrument dimensions & table measurements in centimeters, space requirement in square centimeters for main equipment and each of accessories etc).
18	<b>System performance requirement</b>	<p>a) Documents on performance of the instrument (quoted model) with lindane standard (5 ppb) for Repeatability &amp; Reproducibility (alternative 3 days) should be produced by supplier's as per the <u><b>Annex-IX</b></u> along with tender. The performance as per Annex IX shall be done in the quoted model at any lab/factory where the quoted instrument is available.</p> <p>b) If required, the same need to be demonstrated by the suppliers (who qualify the technical bid) at their laboratory with <u>samples</u> provided by MPEDA.</p> <p>c) After installation, the same performance as indicated in Annex IX shall be demonstrated at respective laboratories failing which, supplier shall replace installed instrument with another instrument of same model within 6 weeks.</p>
19	<b>Method development As per Annex XI</b>	<p>a) Methodology for the following parameter shall be developed in matrix of Fish &amp; Fishery products, Water &amp; Ice, Aquaculture feed, feed inputs, ingredients of feed and any other matrix.</p> <p>b) Application support shall be provided during validation of the above parameters during entire warranty period.</p> <p>c) During AMC /CMC period application support/method development shall be provided free of cost.</p> <p>d) Material (dSPE, SPE and QuEChERS kit) required for method development initially shall be provided by the supplier.</p>
20	<b>Jurisdiction</b>	The disputes, legal matters, court matters, if any, shall be subject to Ernakulam Jurisdiction only.
21	<b>Force Majeure</b>	<p>Force Majeure shall mean any unforeseeable exceptional situation or event beyond the Parties' control which prevents either of them from fulfilling any of their obligations under the Contract, was not attributable to error or negligence on their part (or of their partners, contractors, agents or employees), and could not have been avoided by the exercise of due diligence.</p> <p>Neither party shall bear responsibility for the complete or partial non-performance of any of its obligations (except for failure to pay any sum which has become due on account of receipt of goods under the provisions of the present contract), if the non-performance results due to Force Majeure like Flood, Fire, Earth Quake and other acts of God as well as War, Military operation, blockade, Acts or Actions of State Authorities or any other circumstances beyond the control of parties that have arisen after the award of the present contract. This would also include Pandemic situation/lock down imposed.</p> <p>Defects in equipment or material or delays in making them available,</p>

		<p>labour disputes, strikes or financial problems cannot be invoked as Force Majeure by the defaulting Party. The Party invoking Force Majeure shall notify the other without delay, stating the nature, likely duration and foreseeable effect, and take any measure to minimise possible damage.</p> <p>As soon as possible after the occurrence of any event constituting Force Majeure, but no later than ten (10) days, the bidders shall give notice and full particulars in writing to the MPEDA of the Force Majeure. If the Contractor is thereby rendered unable, wholly or in part, to meet its obligations under the Contract, the MPEDA may terminate the Contract / PO with immediate effect by providing written notice to the bidder.</p>
22	Country of origin	The country of origin of each component shall be mentioned.
23	Single contact point for post installation service/support.	Bidder has to authorize a single person for addressing issues related to service/application during entire contract period. Preferably a senior most person capable to resolve any problems arising during such period.

#### 24. Selection Method &Criteria

- a) **Technical Weightage ( $S_t$ ):** The marks scored by the bidder in technical evaluation shall be calculated to 70 points as below:

$S_t = T * 0.70$  where T is the Technical score awarded to the bidder as per Technical Evaluation Criteria.

- b) **Financial Weightage ( $S_f$ ):** The marks scored by the bidder in financial evaluation shall be calculated to 30 points as below:

The Commercial scores of all the other proposals will be determined by

$S_f = 30 \times (F_m/F)$  ( $F_m$ = Lowest bid offer; F = bid value quoted by individual bidder).

- c) **Total Score (S)**

$$S = S_t + S_f$$

**Bidder who scored highest total score will be considered.**

## 25. Technical Bid Evaluation & Scoring Pattern:

Sl.No	Criteria	Max Score
1	Number of installations of quoted model (GC-MS/MS only) anywhere other than MPEDA (one point/installation of quoted model and 0.5 point per other model max upto 5 point) (Annex – VII)	10
2	Application note on testing of pesticides & NDL PCBs in fish and fishery products only by GC-MS/MS. (peer reviewed papers/application note shall be submitted—one point per paper/application note).	6
3	24x7 Online/ teleservice/application support. (Yes-3 Point, No-0 point).	3
4	Application note on testing of volatile compounds by Head Space in fish and fishery products/water only. (Peer reviewed papers/application note shall be submitted—one point per paper/application note).	3
5	Number of installation of quoted model (HS with GC- MS/MS only) in India (one point/installation) (furnish as per Annex – VII)	2
6	Financial Weightage ( $S_f$ ) for AMC – will be calculated based on Annex VI as per the following formula. $S_f = 5 (F_m/F)$ (F <sub>m</sub> = Lowest bid offer; F = bid value quoted by individual bidder).	5
7	Financial Weightage ( $S_f$ ) for CMC – will be calculated based on Annex VI as per the following formula. $S_f = 5 (F_m/F)$ (F <sub>m</sub> = Lowest bid offer; F = bid value quoted by individual bidder).	5
8	Number of service engineers trained in quoted model available (One point per engineer stationed in Kerala; 0.5 point per engineer stationed outside Kerala – maximum 1 point) ( <b>Annex V</b> )	3
9	Number of application specialists available (one point per Application Specialist) ( <b>Annex V</b> )	3
10	Technical competence as per the performance sheet. ( <b>Annex IX</b> )	60
<b>Total</b>		<b>100</b>

Those bidders **scoring marks at and above 70%** in the technical bid evaluation shall only be considered for financial bid comparison.

## 10. Specific Conditions of the Contract

### Time Limits prescribed:

Sl. No	Activity	Time Limit
1.	Delivery& Installation period	a) Delivery at respective site to be completed within 8 weeks from the date of acceptance of the purchase order. b) Short shipment and part shipment are strictly not allowed. Installation and commissioning of equipment and supporting accessories shall be completed within 2 weeks from the date of delivery of the equipment at the MPEDA Quality Control Laboratory, 5 <sup>th</sup> floor, Building No: 27/1162, MPEDA House, Kochi- 682 036, Kerala.
2.	Comprehensive warranty period	2 years for Complete GC-MS/MS System and other optional equipments.(as per 7.1)
3.	CMC/AMC period	2 years after date of expiry of warranty period
4.	Frequency of visits to all User lab concerned during Warranty/CMC or AMC	One visit every 4 months (3 visits in a year) for periodic/preventive maintenance and any time for attending repairs/break down calls.
5.	Frequency of payment of CMC or AMC charges	As specified in Clause 9.8 above.
6.	Payment Installments of Financial of equipments and ratio	50:47:3 against delivery, installation & submission of proper documents as per clause 9.6
7.	Performance Security Deposit	As per Clause 9.6.d above.
8.	Time for making payments by Tender Inviting Authority	Within 30 days from the date of submission of complete set of relevant documents in respect of delivery, installation and commissioning & on the expiry of warranty period.
9.	Maximum time to attend any repair /Breakdown call during warranty	Within 2 days or 48 hours , whichever is earlier
10.	Training	1) Pre Installation Training: 3 Personnel/Instrument at bidder's application lab. 2) Operational/Method Validation: All personnel/lab for minimum four weeks ( 4 different occasion) at user's lab. Trouble shooting training 3) Refresher Training: On 3 <sup>rd</sup> year for all laboratory personnel for minimum of 3 days.

## **11. General Conditions of Contract**

### **11.1 Tender Document:**

- The detailed technical specifications and terms and conditions governing the supply, installation, commissioning and the after sales service of the equipments tendered are contained in this “Tender Document”.
- The tender document is to be downloaded from website <https://eprocure.gov.in> or [www.mpeda.gov.in](http://www.mpeda.gov.in) Bidder shall submit Tender Document fee by Demand Draft drawn in favour of the Secretary, MPEDA, Kochi, Non- submission of sufficient Tender document fee as mentioned shall be one of the primary reasons for rejection of the offer in the first round.
- The tender process comprises the stages viz. bid submission (Technical Cover and Financial Cover), opening of technical bid opening and bidder short listing and opening financial bids.
- The BOQ should be downloaded and saved by bidder to use it without changing the format. The bidder should fill in the details in the same format and upload the same back to e-procurement website.
- Financials quoted by the bidder shall be fixed during the bidder’s performance of the contract and not subject to variation on any account. A bid submitted with an adjustable/ variable financial quotation will be treated as non - responsive and rejected.
- The bidder shall examine all instructions, forms, terms and specifications in the Tender Document and verify that all the contents mentioned in the ‘Tender Document’ are filled in properly with proper documentation as specified and compiled with.
- Failure to furnish any information required by the tender documents and submission of an offer not substantially responsive to it in every respect shall be at the bidder’s risk and may result in the rejection of the bids, without any further notice.

### **11.2 Guidelines for preparation of Tender**

- The Bidder shall bear all costs associated with the preparation and submission of its bid and the MPEDA, Panampilly Nagar, Kochi, hereinafter referred to as “MPEDA”, will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process. The documents to be submitted as mentioned in clause 11.1.
- In the event of documentary proof as required being not enclosed, the Tender shall be liable to be rejected. All pages of the bid, except for unamendable printed literature, shall be signed / digitally signed by the authorized person or persons signing the bid along with the stamp of the bidder
- Language of the bid: - The bid prepared by the bidder and all correspondence and documents



relating to the bid exchanged by the Bidder and the MPEDA, shall be in English language.

- The tender (in English Language only) for the supply of equipments mentioned in Table 7.1 shall be submitted along with detailed specifications. A technical leaflet /brochure / literature in original shall be enclosed along with list of names of government departments/offices/ organizations to whom the equipment with the same specifications or higher have been supplied in India during the last five years. In case of copy of earlier work orders and the performance certificates supporting the claim of past performance of the bidder, it shall be attested by the client institution/organization where the same have been supplied and installed. Scanned copies of the same shall be provided in PDF format.
- The documentary evidence (other than those regarding supply and past performance) submitted along with the Tender shall be produced duly attested by the bidder on every page and serially numbered. Any interlineations, erasures or over writing shall be valid only if they are initialed by the person (s) signing the offer.
- Bidder shall submit a declaration letter as per the format given as Annex XV and copy of amendments published if any signed by the bidder or the authorized representative shall be enclosed as part of the technical bid as a proof of having read and accepted the terms and conditions of the tender document.
- If at any time any misrepresentation of facts / documents / supply of equipment below the standards assigned come to notice, the contract is liable to be cancelled at the risk and cost of the bidder.
- An offer submitted in vague /ambiguous financial terms and the like, shall be termed as non-responsive and shall be summarily rejected.
- Clarifications to specific requests shall be responded through e- mail and general clarifications, affecting all the bidders shall be published in the official website of the MPEDA ([www.mpeda.gov.in](http://www.mpeda.gov.in).) However it shall be the duty of the prospective bidder to ensure that the clarifications sought for has been properly received in time by the MPEDA.
- Any clarification on the tender procedure shall be obtained from MPEDA QC Laboratory, Kochi and the contact is Phone: +91-484-2311901; email : [lab.koc@mpeda.gov.in](mailto:lab.koc@mpeda.gov.in) / [mahesh@mpeda.gov.in](mailto:mahesh@mpeda.gov.in) .

### **11.3 Earnest Money Deposit (EMD) :**

In order to ensure maximum number of competitive tenders and to avoid indication of the



financial quoted, a fixed rate of Earnest Money Deposit (EMD) is adopted.

SI No	Laboratory Equipment	EMD (INR)	No of Unit	Total Amount (INR)
1	<b>Complete GC-MS/MS System with optional items for 2 year comprehensive warranty</b>	5,00,000/-	1	5,00,000/-

- The EMD successful bidder will be discharged after the successful installation & satisfactory commissioning of the complete system at the place of installation as specified in Clause 9.2 above.
- The EMD of unsuccessful bidders will be returned without any interest.
- The EMD will be forfeited, if a bidder; misrepresents facts or submit fabricated / forged / tempered / altered / manipulated documents during the tender process or withdraws its bid after the opening of technical bid.

#### **11.4 Deadline for submission of tender.**

- Bidders shall submit all the necessary documents as per the instruction given in the tender document before the last date & time for submission and the MPEDA shall not be held liable for its delay.
- The MPEDA may, at its discretion, extend the deadline for submission of Tender by amending the Tender Document, in which case, all rights and obligations of the MPEDA and the bidders previously subjected to the deadline shall thereafter be subjected to the same deadline so extended.

#### **11.5 Period of Validity of Tender**

- The tender must remain valid for minimum 210 days from the due date for submission of the tender. A bid valid for a shorter period shall be rejected by the MPEDA as non-responsive.
- Withdrawal or non-compliance of agreed terms and conditions after the execution of agreement or issuance of Supply order will lead to invoking of penal provisions and may also lead to black listing/debarring of the successful bidder.

#### **11.6 Acceptance / Rejection of tenders:**

- It is also not necessary that the offer of the firm quoting the lowest rates shall be accepted.
- At any point of time, the MPEDA reserves the right to cancel or modify the Tender/Purchase order even after it is awarded without assigning any reason whatsoever.
- If the lowest bid is going to be accepted as it should be then there is no point in rating with

points the financial bid assuming that the lowest of the technically fit bid will be accepted.

#### **11.7 Other Terms and Conditions**

- Technical Specifications and Standards: - The Goods & Services to be provided by the successful bidder under this contract shall conform to the technical specifications and quality control parameters mentioned in the tender document.
- The bidder shall be responsible for payment of any charges due to any statutory authorities such as CGST, SGST, IGST, Customs Duties, Customs clearance and Insurance etc.
- If the customs duty, CGST, SGST and IGST are left blank, then it will be considered as zero (inclusive in the basic financial) or not applicable and BOQ will be considered for evaluation.
- In the event, if it found that there is some statutory deduction ITDS to be made at the source, the MPEDA will have the authority to do so.
- The Bidder shall indemnify MPEDA against any loss to MPEDA on account of the deeds or activities of personnel employed by him.

#### **11.8 Tendering System.**

- The tender shall be submitted online in two cover system duly scanned and digitally signed by the authorized representative of the bidder as follows:

##### **11.8.1 Cover -1 (TECHNICAL BID)**

- Online bids should be submitted containing scanned copy of following document in Cover-1 for documentary proof, for fulfilling qualifying criteria/ requirements failing which the offer shall liable to be rejected.

Earnest Money Deposit (refundable).

Tender fee (Non-refundable) of Rs. 2,500/- .

- The bidder or his authorized representative shall sign and upload all the documents, owning responsibility for their correctness/ authenticity and submit Declaration in respect of acceptance of terms and conditions of tender document.
- Self attested copy of PAN and Goods & Service Tax (GST) registration certificate.
- Self attested copy of Trading and Profit & Loss Accounts/Balance sheet/ Certificates audited by CA in fulfillment of Eligibility Criteria.
- Self attested Copies of Purchase Order and Completion certificate in fulfillment of Eligibility Criteria.
- Self attested Copy of authorization certificate i.e. authorized Dealer/ Distributor/ Channel partner or documents in support of manufacturer.
- Acceptance of technical specification of the item mentioned in clause 8.0 of tender document

### **Technical Data Sheets to be submitted as per the tender**

- Duly filled, stamped and signed all Annexs

*Note:* if the Cover-1 i.e. technical bid does not contain any of the above mentioned documents or contains incomplete or unsuitable technical specifications of the item to be supplied, then the offer shall be deemed liable for rejection/ disqualification. The bidders who do not submit the technical bid (cover 1) within the stipulated date and time will be treated non-responsive. The bidders are cautioned that divulging of any financial information in Cover-1 (Technical bid) will result in rejection of their tender. The financial bid of the technically disqualified bidders shall not be opened.

#### **11.8.2 Cover-2 (FINANCIAL BID-BOQ)**

- The Cover-2 shall contain the financial bid in the enclosed "Schedule of Quantities & Financials" as per the BOQ. Any clause governing the bid subject to market fluctuation is not acceptable. The quoted rates shall be typed in figures.
- The rates shall be quoted strictly in Schedule of Quantities and Financials inclusive of all taxes, duties, Entry Tax, Statutory Charges, Insurance, Permit Charges, P&F charges, Freight etc. (including purchaser liability, if any)
- F.O.R. MPEDA respective locations to avoid any post consequences/ discrepancies. However, all applicable Taxes & Duties should be clearly mentioned by the Bidder at the time of supply in their invoice. Bidder should submit documentary proof of Excise Duty payment with their invoice.
- The bidder is advised to avoid offering of rebate/ discount. However in case of exceptional circumstances, the rebate/ discount offered by the bidder should be only in the BOQ.
- The bidders who do not submit the financial bid (cover 2) within the stipulated date and time will be treated non-responsive.
- If the bids are not submitted as per the requirement of the above clauses, the MPEDA shall assume no responsibility for the offer's misplacement and consequential rejection.

#### **12. Amendment of Tender Documents:**

- At any time prior to the dead line for submission of Tender, the MPEDA may, for any reason, modify the tender document by corrigendum /addendum.
- The corrigendum /addendum shall be published in e-procurement website and MPEDA website ([www.mpeda.gov.in](http://www.mpeda.gov.in)) and the tenderer shall submit copy of corrigendum /addendum published if any signed by the bidder or the authorized representative shall be

enclosed as part of the technical bid as a proof of having read and accepted the terms and conditions of the tender document.

### **13. Pre Qualification of Bidders:**

- Manufacturers or their authorized dealers/Indian subsidiaries/direct importers having a place of business in any of the States of India are eligible to participate in this tender. [Original Equipment Manufacturers shall submit the 'Manufacturers Offer Form' as per **Annex XII**. Letter of Authorization (as per **Annex XIII**) from the Original Equipment Manufacturer (OEM) shall be submitted in the case of a Bidder who is not the manufacturer of the equipment offered].
- The bidder or manufacturer of the equipment offered should be in the business of the supply and installation of same / similar equipment for the last three calendar years within the country.
- The bidders who have an average annual turnover of Rupees Five Crore for the last three completed financial years. The bidder shall submit proof of the same (notary attested audited copy of audited accounts, balance sheet, annual report etc.)
- Bidders who have service in Kerala State and have the capability to attend repairs of the equipment within the time mentioned as per schedule.
- Bidders shall not be blacklisted/ debarred by Tender Inviting Authority or blacklisted / debarred by any State Government or Central Government department/Organization. (Declaration Form as per **Annex XV** should be submitted along with the technical bid)
- Firm/company who is not willing to accept the maintenance policy of Tender Inviting Authority is not eligible to participate in this tender.

### **14. Submissions and Opening of Tender**

- The bid should be submitted online at website **<http://eprocure.gov.in/eprocure/app>** only, by the due date **10-12-2022** and time upto **1700 hrs**. The Server Date & Time as appearing on the website **<http://eprocure.gov.in/eprocure/app>** shall only be considered for the cut-off date and time for submission of bids. Offers sent through post, telegram, fax, telex, e-mail, and courier or by any other mode will not be considered. In case of date of opening is declared, as holiday tender will be opened on next working day at same time.
- Only those bidders shall be considered qualified by the MPEDA, who submit requisite EMD and documents accept all the terms & conditions of the Tender document unconditionally and meet the qualifying requirement stipulated in the Tender document. The decision of the MPEDA shall be final and binding in this regard.
- The bidder shall bear all cost associated with the preparation and submission of its bid and the

MPEDA will in no case be responsible or liable for these cost, regardless of the conduct or outcome of the tendering process.

- If any clarification is required by the bidder in respect of items wherein specification are not defined or if any doubt is there about any specification, bidder may personally visit the Head Office of MPEDA at Panampilly Nagar, Kochi- 682036, Kerala or telephonically at +91-484-2311901 /2311803/2311854 or Email [lab.koc@mpeda.gov.in](mailto:lab.koc@mpeda.gov.in) / [mahesh@mpeda.gov.in](mailto:mahesh@mpeda.gov.in) . Such queries shall reach MPEDA at least 07 (Seven) days before the deadline for submission of the tenders.
- MPEDA shall not be bound to respond to the request from the prospective bidders and this shall not become the reason for claiming extension of the deadline for the submission of the tenders.

### **15. Evaluation of Tender**

- Bid Evaluation Committee: The commercial terms and documents submitted as part of the technical bids shall be scrutinized by a bid Evaluation Committee constituted by the MPEDA.
- The Bid Evaluation Committee may also verify the veracity of claims in respect of the known performance of the equipment offered, the experience and reputation of bidder in the field, the financial solvency etc.
- The decisions of the Bid Evaluation Committee on whether the tenders are responsive or non-responsive or requiring clarifications will be intimated to respective bidders.

#### **15.1 Technical Committee:**

- The evaluation shall be conducted by a Committee called the 'Technical Committee' in which external experts from other Institutions may also be present.
- The composition of technical committee may vary with the type of the equipment tendered.
- The decisions of the technical committee will also be intimated.

#### **15.2 Financial Committee:**

- In case of major purchases, the decisions of the bid evaluation Committee/Technical Committee will be further scrutinized by the Financial Committee. In such cases, the decisions of the Financial Committee will also be published.
- A bidder, at any stage of tender process or thereafter, in the event of being found after verification by the MPEDA, to indulge in concealment or misrepresentation of facts, in respect of the claims of the offer, shall be debarred/black listed besides forfeiture of the EMD.

##### **15.2.1**

MPEDA's decisions on the tender submitted shall be based on the decisions taken by the various committees and otherwise as per the clauses as mentioned above.

### 15.2.2

Arithmetical errors shall be rectified on the following basis: If there is a discrepancy between words and figures, the amount in words shall prevail and the offer shall stand corrected to that effect. If the bidder does not accept the correction of errors, his offer shall be rejected. The MPEDA may waive any minor infirmity or non-conformity or irregularity in an offer, which does not constitute a material deviation, provided that the same shall not prejudicially affect the interest of the other bidders.

### **16. Financial Bid (BOQ)**

- The Financial bids of the short-listed technically qualified bidder(s) will be opened only after evaluation of Technical bids. The short listing of the bidder(s) will be carried out on the basis of the technical evaluation/demonstration.
- The opening of the financial bid shall be done by the MPEDA or his authorized representatives in presence of authorized representatives of the firms those qualified in the detailed scrutiny and evaluation of the Technical bid.
- Bidder shall download the available financial bid format from <https://eprocure.gov.in> and quote the financials in the respective fields and to be submitted online. The Financial bids (BOQ) submitted in any other formats will be treated as non-responsive and not considered for tabulation and comparison.
- Financial offered shall be all inclusive and in Indian Rupees. Financial bid should be quoted for the supply, installation, training and successful commissioning of the accessories and fulfillment of warranty/guarantee and after sales service to the satisfaction of the MPEDA.
- Fixed financial: Financials quoted by the Bidder shall be fixed during the period of the contract and not subject to variation on any account.
- Financial variation due to statutory changes including CGST, SGST, IGST & customs duty will be accepted during the Running contract period before releasing the Purchase Order on receipt of proper documents.

### **17. Public Procurement(Preference To Make In India), Order:**

The Institute has adopted and will comply with the Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E.II dated 15th June 2017 and subsequent revised orders issued from time to time. Accordingly preference will be given suppliers as defined in the aforesaid order. The various categories of suppliers defined in the aforesaid order are reproduced below.

“Local Content” means the amount of value added in India which shall be value of the item procured (excluding net domestic indirect taxes) minus the value of the imported content in the item (including all the custom duties) as a proportion of the total value, in percent. Accordingly the suppliers will be classified in following categories.

- i) Class I local supplier – has local content equal to more than 50%
- ii) Class II local supplier – has local content more than 20% but less than 50%
- iii) Non –local supplier – has local content less than or equal to 20%

Verification of Local Content: The Class I Local Supplier /Class II Local Supplier/Non Local Supplier at the time of tender, bidding or solicitation shall be required to indicate the percentage of local content and provide self-certification that the items offered meets the local content requirement. The details of the location(s) at which the local value addition is made also needs to be mentioned. In case of procurement in excess of Rs.10 crores, the suppliers shall be required to submit a certificate towards percentage of local content from the authorities as stated in the aforesaid order in the technical bid itself.

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 2 years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

**FORMAT FOR OPTIONAL ITEMS**  
**(to be included in BoQ separately)**

Sl No	Item	Part number	Unit price INR	Applicable tax	Total price	Remarks
1	CI Source					
2	Tool Kit: 170 PC SOCKET SET (Make :Stanley, 96-011)					
3	Oil Free Vacuum pump					
4	Temperature controlled vial tray					
5	Sample Diluter					
6	Sample mixer					
7	Head Space					
<b>Total Price</b>						

**Terms & Conditions:**

1. The quoted rate for optional items shall be valid for 2 years from the date of tender opening.
2. The item quoted shall have 2 years warranty from the date of purchase.

**Signature of Bidder**  
**Name & Designation**

**Date:**  
**Seal**



**FORMAT FOR LIST OF SPARES/ CONSUMABLES REQUIRED FOR 2 YEARS FOR GC-MS/MS**

Sl No	Item	Part number	Periodicity of replacement/ (based on number of injection, no. of scans, volume, hours etc) whichever is applicable	Quantity required	Unit price (₹)	Total price (₹)	Remarks
<b>Spares:</b>							
1							
2							
...(add)							
<b>Total Price</b>							
<b>Consumables for GC</b>							
1							
2							
..(add)							
<b>Total Price</b>							
<b>Consumables for GC Auto sampler</b>							
1							
2							
3							
..(add)							
<b>Total Price</b>							
<b>Consumables for MS/MS</b>							
1							
2							
3							
..(add)							
<b>Total Price</b>							
<b>Consumables for Vacuum Pump</b>							
1							
2							
3							
....(add)							
<b>Total Price</b>							
<b>Consumables for Headspace</b>							
1							
2							
3							
....(add)							

**Terms & conditions:**

1. Consumables required for a year only, shall be supplied at the beginning of that calendar year.

List of the same shall be provided for our records.

2. Required spares shall be readily available to minimize the breakdown period of the instrument.
3. During warranty period, we hereby certify that any item as and when required and not listed above, irrespective of periodicity, shall be borne by our assigns and successors.
4. In case any spares supplied and kept it unopened /unused till it expiry period at lab during warranty period shall be replaced with similar item.

**Signature of Bidder  
Name & Designation**

**Date:  
Seal**

**FORMAT FOR THE LIST OF COLUMNS TO BE SUPPLIED ALONG WITH THE INSTRUMENT**

Sl. No	Parameter	Part number	Column Specification	Periodicity of replacement (based on number of injections/ volume of solvent passed)	Quantity required	Unit price (₹)	Total price (₹)	Remarks
1	Organo Chlorine				2			
2	Organo Phosphorous				2			
3	Synthetic Pyrethroids				2			
4	Pendimethalin				1			
5	Nitrogen and Phosphorus Containing Pesticides				1			
6	NDL-PCBs				2			
<b>Total</b>					<b>10</b>			

**Terms & conditions:**

1. The above columns (10nos) shall be supplied with equipment as and when required.
2. The unit rate quoted above shall be valid from second year to entire warranty period.
3. If any of the quoted column is not meeting the analytical requirements, such columns shall be replaced with suitable column free of cost.

Signature of Bidder  
Name & Designation

Date:

Seal:

**WARRANTY CERTIFICATE****(to be submitted qualified bidder before installation)**

We Warrant that all the machines, equipments and accessories supplied by us under the Purchase order bearing No. \_\_\_\_\_ Dated \_\_\_\_\_, shall be brand new, free from all defects - patent or latent and faults in materials, workmanship and manufacture and shall be of the highest grade and quality and consistent with the established and generally accepted standards for material of the type ordered and shall be in full conformity with the specifications, drawing or samples and shall operate properly. We shall be fully responsible for its efficient performance. This Warranty shall survive irrespective of any payment or acceptance of the goods but shall expire after (except in respect of complaints and all manufacturing defects of which we have been notified prior to such date) two years ( from DD/MM/2022 to DD/MM/2024) after the installation/commissioning and acceptance of equipments by Marine Products Exports Development Authority (MPEDA).

The obligations under the Warranty expressed above shall include all costs relating to labour, spares, maintenance (preventive and unscheduled/breakdown service) and transport charges from site to the manufacturers work place and back and free repair/adjustment or replacement at site or any parts of the equipment which under normal and proper use and maintenance proves defective in design, material or workmanship or fails to conform to the specifications previously given by the MARINE PRODUCTS EXPORT DEVELOPMENT AUTHORITY (MPEDA) to us. This Warranty shall bind us, our assigns and successors.

Signature of Bidder  
Name & Designation

Date:

Seal

## FORMAT FOR SERVICE &amp; APPLICATION SUPPORT

Sl.No	Locality	Name of the person	Field of expertise (service or application)	Experience in this firm with same or similar instruments/field	Total Work Experience
1	Kerala	1)			
		2)			
		3)			
2	Outside Kerala (specify state in each case)	1)			
		2)			

Signature of Bidder  
Name & Designation

Date:

Seal:

**FORMAT FOR MAINTENANCE CONTRACT**  
***(to be provided with Technical bid)***

<b>ANNUAL MAINTENANCE CONTRACT IN Rs</b>										
<b>Warranty period: 2 years</b>										
<b>SL .NO</b>	<b>LOCALITY</b>	<b>3<sup>rd</sup> YEAR</b>	<b>4<sup>TH</sup> YEAR</b>	<b>5<sup>TH</sup> YEAR</b>	<b>6<sup>TH</sup> YEAR</b>	<b>7<sup>TH</sup> YEAR</b>	<b>8<sup>TH</sup> YEAR</b>	<b>9<sup>TH</sup> YEAR</b>	<b>10<sup>TH</sup> YEAR</b>	<b>REMARKS</b>
1	KOCHI									
<b>COMPREHENSIVE /EQUIVALENT MAINTENANCE CONTRACT IN Rs.</b>										
<b>1</b>	<b>KOCHI</b>	<b>3<sup>rd</sup> YEAR</b>	<b>4<sup>TH</sup> YEAR</b>	<b>5<sup>TH</sup> YEAR</b>	<b>6<sup>TH</sup> YEAR</b>	<b>7<sup>TH</sup> YEAR</b>	<b>8<sup>TH</sup> YEAR</b>	<b>9<sup>TH</sup> YEAR</b>	<b>10<sup>TH</sup> YEAR</b>	<b>REMARKS</b>

**Terms & conditions:**

- 1) AMC/CMC should include complete system including GC-MS/MS, , HS, Computer, Vacuum pump.
- 2) Three Preventive Maintenance services shall be provided annually.
- 3) Unlimited breakdown calls shall be attended.
- 4) Calibration (IPV) of GC- MS/MS, HS systems shall be done once in a year (from 3<sup>rd</sup> to 10<sup>th</sup> year) with valid & traceable calibration solutions (free of cost) and provide calibration documents.

**Signature of Bidder**

**Name & Designation**

**Date:**

**Seal:**

## FORMAT FOR USER'S LIST ( GC- MS/MS)

Sl.No	Model	No of instruments	Complete Address of installed site	Name, Designation, Contact no and email ID	Analytical Scope (Matrix)	Year of installation
<b>Quoted model:</b>						
1						
2						
3						
....						
<b>Other models:</b>						
1						
2						
3						
...						

**Terms & Conditions:**

1. Testimonial/ feedback from end users (preferably for quoted model)-minimum three users shall be attached.

**Signature of Bidder  
Name & Designation**

**Date:**

**Seal:**

# **FORMAT OF TECHNICAL COMPLIANCE OF SPECIFICATIONS**

**Name of Equipment: .....Model ( HS,GC, & MS/MS) :**

S. No.	Details of Specifications/ Parts/ Accessories of Tender Enquiry	Specifications of Quoted Model/ Part/ Accessory	Compliance Yes / No	Deviation, if any to be indicated in unambiguous terms (The compliance / Deviation should be supported by relevant Technical Literature)	Technical Justification for the Deviation, if any. If specification is superior / inferior than asked for in the enquiry, it should be clearly indicated in the justification
1					
2					
3					
....					

## **Terms & Conditions:**

1. Bidder may offer any number of models (Though the specifications given are of basic and general in nature, preference will be given for selection of higher-end versions. Therefore, bidders are advised to quote for different models), of the equipment. In such cases, the Technical Compliance statement must be enclosed for each and every model separately.
2. If the bidder fails to enclose the compliance statement, the bid is likely to be rejected.

**Signature of Bidder  
Name & Designation**

**Date:  
Seal:**



**FORMAT FOR PERFORMANCE SHEET**  
**LINEARITY, REPEATABILITY & REPRODUCIBILITY TEST**  
**(SPLITLESS INJECTION MODE SHALL BE USED FOR ALL EXPERIMENTS)**  
**(All the experiment shall be performed in 30meter column (0.25mm x 0.25µm))**

**A) Linearity details: In GC-MS/MS (Shall be performed in all three occasions)**

**Name of analyte:** Lindane

Date:..... Start Time:.....End Time:.....							
Concentration (ppb)	Injection volume (µL)	RT	Obtained Concentration	Obtained Area		Ion Ratio	S/N (Quantifier) (RMS)
				Quantifier (specify)	Qualifier (specify)		
Blank (solvent)	0.5						
Calibration Point 1 (1 ppb)	0.5						
Calibration Point 2 (2 ppb)	0.5						
Calibration Point 3 (5 ppb)	0.5						
Calibration Point 4 (10 ppb)	0.5						
Calibration Point 5 (15 ppb)	0.5						
Calibration Point 6 (20 ppb)	0.5						

**Remarks:** Furnish calibration details including chromatogram including all experiment conditions along with model and serial number of the performed Instrument.

**B) Repeatability & Reproducibility Test:**

1) Name of analyte: Lindane

2) Concentration: 5 ppb

1 <sup>st</sup> Occasion: Date: ..... Start Time: .....End Time: .....						
Replicate	Injection volume (µL)	RT	Ion Ratio	Obtained Area		S/N (Quantifier) (RMS)
				Quantifier (specify)	Qualifier (specify)	
Solvent	0.5					
1 <sup>st</sup>	0.5					
2 <sup>nd</sup>	0.5					
3 <sup>rd</sup>	0.5					
4 <sup>th</sup>	0.5					
5 <sup>th</sup>	0.5					
6 <sup>th</sup>	0.5					

7 <sup>th</sup>	0.5					
Mean (Area)						
SD (Area)						
%RSD (Area)						

**2nd Occasion: Date:..... Start Time:.....End Time:.....**

Replicate	Injection volume (µL)	RT	Ion Ratio	Obtained Area		S/N (Quantifier) (RMS)
				Quantifier (specify)	Qualifier (specify)	
Solvent						
1 <sup>st</sup>						
2 <sup>nd</sup>						
3 <sup>rd</sup>						
4 <sup>th</sup>						
5 <sup>th</sup>						
6 <sup>th</sup>						
7 <sup>th</sup>						
Mean (Area)						
SD (Area)						
%RSD (Area)						

**3<sup>rd</sup> Occasion: Date:..... Start Time:.....End Time:.....**

Replicate	Injection volume (µL)	RT	Ion Ratio	Obtained Area		S/N (Quantifier) (RMS)
				Quantifier (specify)	Qualifier (specify)	
Solvent						
1 <sup>st</sup>						
2 <sup>nd</sup>						
3 <sup>rd</sup>						
4 <sup>th</sup>						
5 <sup>th</sup>						
6 <sup>th</sup>						
7 <sup>th</sup>						
Mean (Area)						
SD (Area)						
%RSD (Area)						

**C) Linearity details: Head Space GC-MS/MS**

**Name of analyte: Ethanol in water at temperature 60°C and vial pressurization of 500 mbar split less injection.**

Date:..... Start Time:.....End Time:.....						
Concentration (ppb)	Loop Volume (mL)	RT	Obtained Area		Ion Ratio	S/N (Quantifier) (RMS)
			Quantifier (specify)	Qualifier (specify)		
Blank (solvent)	1					
Calibration Point 1 (0.1 %)	1					
Calibration Point 2 (0.2 %)	1					
Calibration Point 3 (0.5 %)	1					
Calibration Point 4 (1 %)	1					
Calibration Point 5 (1.5 %)	1					
Calibration Point 6 (2 %)	1					

**Terms & conditions:**

1. Please specify GC column, GC conditions, MRM transitions etc.,
2. **Occasions shall be on three alternative days ( eg 1<sup>st</sup>,3<sup>rd</sup> and 5<sup>th</sup> day)**

**Enclosures:**

All the data shall be supported with the following documents (Hard copy & soft copy both in PDF & excel format):

1. Calibration data.
2. Chromatograms.
3. Certificate of analysis of Lindane, Ethanol & Tridecane.
4. Details of preparation of standard (stock & working standard solution)
5. Details of instrument used (copy of relevant portion of IQ, OQ & PQ)
6. GC column certificate
7. Headspace experiment condition details

**Signature of Bidder**

**Name & Designation**

**Date:**

**Seal:**

**FORMAT FOR LIST OF INDIGENOUS ITEMS FOR GC MS/MS FOR 2 YEARS**

Sl No	Item	Part number (if any)	Periodicity of replacement (if any)	Quantity required	Unit price (₹)	Total price (₹)	Remarks
1							
2							
3							
4							
5..							
(Add)							
<b>Total Price</b>							

**Terms & conditions:**

1. Items/ Consumables required for a year only, shall be supplied at the beginning of that calendar year. List of the same shall be provided for our records.
2. Required spares shall be readily available to minimize the breakdown period of the instrument.
3. During warranty period, we hereby certify that any item as and when required and not listed above, irrespective of periodicity, shall be borne by our assigns and successors.

**Signature of Bidder  
Name & Designation**

**Date:**

**Seal**

**LIST OF PARAMETERS FOR METHOD DEVELOPMENT AND VALIDATION IN HS GC -MS/MS.**

S.No.	List of Parameter / Method
I	Multi Residue Method for Determination
1	Chlorinated Pesticides
1.1	2,4 DDT
1.2	4,4 DDT
1.3	Endosulphan (alpha, beta and sulphate)
1.4	Aldrin
1.5	Dieldrin
1.6	Chlordane (cis ,trans and oxy)
1.7	Heptachlor
1.8	Heptachlor epoxide
1.9	DDE (2,4 & 4,4)
1.10	DDD (2,4 & 4,4)
1.11	Endrin
1.12	Alpha BHC
1.13	Beta BHC
1.14	gamma BHC
1.15	Dicofol
2.	NDL-PCBs
2.1	2,4,4' – Trichlorobiphenyl (PCB 28)
2.2	2,2',5,5' – Tetrachlorobiphenyl (PCB 52)
2.3	2,2',4,5,5' – Pentachlorobiphenyl (PCB 101)
2.4	2,2',3,4,4',5 – Hexachlorobiphenyl (PCB 138)
2.5	2,2',4,4',5,5' – Hexachlorobiphenyl (PCB 153)
2.6	2,2',3,4,4',5,5' – Heptachlorobiphenyl (PCB 180)
3	Multi Residue Method for Determination of Organo-Phosphorus Pesticides
	Acephate
	Chlorpyrifos
	Chlorpyrifos-methyl
	Demeton-O
	Diazinon
	Dimethoate
	Ethion
	Fenitrothion
	Malaoxon
	Malathion
	Mathamidophos
	Monocrotophos
	Omethoate
	Paraoxon
	Paraoxon-Methyl
	Parathion
	Parathion-Methyl
	Phosalone
	Pirimiphos-Methyl

S.No.	List of Parameter / Method
4	Multiresidue Gas Chromatography Method for Synthetic Pyrethroids
	i) Bifenthrin
	ii) Fenopropathrin
	iii) Cyhalothrin
	iv) Permethrin
	v) Cypermethrin
	vi) Fluvalinate
	vii) Fenvalerate
	viii) Deltamethrin

S.No.	List of Parameter / Method
5	Multiresidue Method of N-Methylcarbamate Insecticides
	i) Carbaryl
	ii) Carbofuron
6	Multiple Residue Method for Fumigants
	i) Ethylene Dibromide
	ii) Carbon Tetrachloride
	iii) Methyl Bromide
	iv) Phosphine
7	Thiamethoxam
8	Thiodicarb/Methomyl
9	Cymoxanil
10	Multiresidue Gas Chromatographic Method for Determination of Organochlorine and Synthetic Pyrethroids pesticides
11	Acetamiprid
12	Imidacloprid
13	Pretilachlor
14	Isoprothiolane
15	Fosetyl
16	Propiconazole
17	Dithiocarbamates
	(i) Ferbam
	(ii) Ziram
	(iii) Thiram
	(iv) Maneb
	(v) Zineb
	(vi) Mancozeb
	(vii) Nabam
18	Ethylene Thiourea and Ethylene Urea
19	Tricyclazole
20	Triadimefon and Triadimenol
21	Metalaxyl
22	Triazole Fungicides
	i) Hexaconazole
	ii) Propiconazole
	iii) Penconazole

S.No.	List of Parameter / Method
	iv) Myclobutanil
	v) Triademifon
	vi) Bitertanol
23	Chlorsulfuron and Metasulfuron
24	Anilophos
25	Diclofop-Methyl
26	Glufosinate
27	Linuron
28	Diquat and Paraquat
29	Atrazine and Simazine
30	Metribuzin
31	2, 4-D
32	Pendimethalin Analytical Methods of Pesticide Residues in Water
33	Organochlorine Pesticides in Water by Gas Chromatographic Method
	i) Aldrin
	ii) $\alpha$ - BHC
	iii) $\beta$ - BHC
	iv) $\gamma$ - BHC
	v) $\delta$ - BHC
	vi) $\alpha$ - chlordane
	vii) $\gamma$ - chlordane
	viii) 4,4'- ODD
	ix) 4,4'- DDE
	x) 4,4'- Dichlorodiphenyltrichloroethane
	xi) Dieldrin
	xii) Endosulfan I
	xiii) Endosulfan II
	xiv) Endosulfan Sulphate
	xv) Heptachlor
	xvi) Heptachlor Expoxide
34	N-Methylcarbamoylomimes and N-Methylcarbamates in Finished Drinking Water
	i) Aldicarb
	ii) Aldicarb Sulfone
	iii) Aldicarb Sulfoxide
	iv) Baygon
	v) Carbaryl
	vi) Carbofion
	vii) 3-hydroxycarboruron
	viii) Methiocarb
	ix) Methomyl
	x) Oxamyl
35	Determination of Alachlor, Atrazine and Butachlor in Water
36	Determination of 2,4-D in Drinking Water
37	Nitrogen and Phosphorus Containing Pesticides in Finished Drinking Water
	(i) Dichlorvos
	(ii) Phorate
	(iii) Chlorpyrifos. Methyl

<b>S.No.</b>	<b>List of Parameter / Method</b>
	(iv) Chlopyrifos
	(v) Monocrotophos
	(vi) Dimethoate
	(vii) Malathion
	(viii) Parathion, Methyl
	(ix) Parathion, Ethyl
	(x) Ethion
	(xi) Phosphamidon
	(xii) Atrazine
	(xiii) Simazine

**Terms & conditions:**

1. Listed parameters and its combinations are in indicative nature, actual requirement shall vary upon the emergence of new regulations on time to time. There for the bidder shall be equipped enough to address the regulatory requirements and its compliance during the entire contract period.
2. Required consumables shall be made readily available to minimize the response time.
3. During warranty period, we hereby certify that any method as and when required and not listed above, irrespective of periodicity, shall be borne by our assigns and successors.

**Signature of Bidder  
Name & Designation**

**Date:**

**Seal**



**MANUFACTURER'S OFFER FORM**  
(to be submitted by manufacturers )

Ref.No.:

Date:

To

**The Secretary**  
**Head Office, MPEDA House,**  
**Building No: 27/1162, PB No: 4272,**  
**Panampilly Avenue, Panampilly Nagar PO, KOCHI-**  
**682 036, KERALA**

Dear Sir, Tender No :

Equipment Name :

1. We ..... (name of the manufacturer) declare that we are the original manufacturers of the above equipment having registered office at ..... (full address with telephone number/fax number & email ID and website), and having factories at .....

2. No company or firm or individual have been authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.

3. We hereby declare that we are willing to provide guarantee/warranty and after sales service during the period of warranty/CMC/AMC as per the above tender.

4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipments tendered within the stipulated time.

(Name) for and on behalf of M/s. ....

Date:

(Name of manufacturers)

Place:

**Note:** This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.

**MANUFACTURER'S AUTHORISATION FORM**  
*(to be submitted by authorized dealers/representatives/importers)*

No.

Date:

To

**The Secretary**  
**Head Office, MPEDA House,**  
**Building No: 27/1162, PB No: 4272,**  
**Panampilly Avenue, Panampilly Nagar P.O.,**  
**KOCHI-682 036, KERALA**

Dear Sir,

Tender No :

Equipment Name :

1. We ..... (name of the OEM) are the original manufacturers of the above equipment having registered office at ..... (full address with telephone number/fax number & email ID and website), having factories at and , do hereby authorize M/s. (Name and address of bidder) to submit tenders, and subsequently negotiate and sign the contract with you against the above tender no.....
2. No company or firm or individual other than M/s.....are authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.
3. We also hereby undertake to provide full guarantee/warranty /CMC/AMC as agreed by the bidder in the event the bidder is changed as the dealers or the bidder fails to provide satisfactory after sales and service during such period of Comprehensive warranty/CMC/AMC and to supply all the spares/reagents during the said period.
4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipments tendered within the stipulated time.

(Name)  
 for and on behalf of M/s.

Date:

(Name of manufacturers)

Place:

**Note:** *This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer*

**POWER OF ATTORNEY**  
***(On a Stamp Paper of Rs.200 value)***

I/ We.....(name and address of the registered office) do hereby constitute, appoint and authorize Shri/Smt.....(name and address) who is presently employed with us and holding the position of ..... As our attorney, to act and sign on my/our behalf to participate in the tender no..... for ..... (Equipment Name).

I/ We hereby also undertake that I/ we will be responsible for all action of Sri/Smt..... undertaken by him/her during the tender process and thereafter on award of the contract. His / her signature is attested below

Dated this the .....day of 2022 for

(Name, Designation and Address)

Accepted

\_\_\_\_\_(Signature) (Name, Title and Address of the Attorney)

Date :

**DECLARATION FORM**

(To be given on Company Letter Head)

**To,**

**The Secretary  
Head Office, MPEDA House,  
Building No: 27/1162, PB No:4272,  
Panampilly Avenue, Panampilly Nagar P O,  
KOCHI-682 036, KERALA**

Date:

Sub: Acceptance of Terms &amp; Conditions of Tender. Tender

Reference No . .....

Name of Tender / Work:

.....

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender' from the web site(s) namely:.....  
as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. 01 to \_\_ (including all documents like Annex(s), table(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too has also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully, (Signature of the bidder, with Official Seal)

**TENDER OFFER FORM**

Having examined and accepting the conditions of the tender document no ..... we here by submit this offer for the supply & installation of .....conforming the detailed technical specification mentioned in the section of the tender document. The details of the equipment offered are as follows.

Sl. No.	Name of the Equipment	Model	Year of Introduction	Original Equipment Manufacturer
1				

Date :

Office seal

Signature of the bidder/Authorized signatory

**GENERAL INFORMATION ABOUT THE BIDDER**

1	Name of the Bidder			
	Registered address of the firm with GSTIN			
	State		District	
	Telephone No.		Fax	
	Email		Website	
<b>Contact Person Details</b>				
2	Name		Designation	
	Telephone No.		Mobile No.	
<b>Communication Address</b>				
3	Address			
	State		District	
	Telephone No.		Fax	
	Email		Website	
<b>Type of the Firm ( Please ✓ relevant box)</b>				
4	Private Ltd.		Public Ltd.	
	Partnership		Society	
	Registration No. & Date of Registration.			
<b>Nature of Business ( Please ✓ relevant box)</b>				
5	Original Equipment Manufacturer		Authorized Dealer /Representative	
	Direct Importer		Others, specify.	
<b>Key personnel Details (Chairman, CEO, Directors, Managing Partners etc. )</b>				
6	in case of Directors, DIN Nos. are required			
	Name		Designation	
	Name		Designation	
<b>Bank Details</b>				
7	Bank Account No.		IFSC Code	
	Bank Name & Address		Branch Name	
	Tel No		Email ID	
	PAN Card No			
8	Whether any criminal case was registered against the company or any of its promoters in the past?			Yes / No
9	Other relevant Information provided * (here enclose the details such as presentation on the details of the bidder in a CD preferably, please avoid submission of detailed leaflets/brochures etc, if possible.)			
Date:		Office Seal		Signature of the bidder / Authorised signatory

## CHECK LIST FOR BIDDER

Sl. No.	Particulars	Document attached	Page No.
A	Signed copy of all the pages of tender notice published MPEDA website	Yes/No	
B	Tender Fee ₹. 2500/- : DD No.____ .....Date:	Yes/No	
C	EMD-₹.5,00,000/_ : DD No.____ .....Date::	Yes/No	
D	Technical bid with following Annexes	Yes/No	
	1) ANNEX-I: Format for Optional Items	Yes/No	
	2) ANNEX-II: Format for list of spares/ consumables required for 2 years for GC-MS/MS	Yes/No	
	3) ANNEX-III: Format for the list of columns to be supplied along with the instrument	Yes/No	
	4) ANNEX-IV Format for warranty certificate	Yes/No	
	5) ANNEX-V Format for service & application support	Yes/No	
	6) ANNEX-VI: Format for maintenance contract	Yes/No	
	7) ANNEX-VII: Format for user's list	Yes/No	
	8) ANNEX-VIII: Format for technical compliance of specifications	Yes/No	
	9) ANNEX-IX Format for performance sheet	Yes/No	
	10)ANNEX-X Format for list of indigenous items for GC MS/MS for 2 years	Yes/No	
	11)ANNEX-X I List of parameters for method development and validation in HS GC -MS/MS	Yes/No	
	12)ANNEX-XII Manufacturer's offer form	Yes/No	
	13)ANNEX-XIII Manufacturer's authorization form	Yes/No	
	14)ANNEX-XIV Power of Attorney	Yes/No	
	15)ANNEX-XV Declaration Form	Yes/No	
	16)ANNEX-XVI Tender Offer Form	Yes/No	
	17)ANNEX-XVII General Information about the Bidder	Yes/No	

	18)ANNEX-XVIII Check list for Bidder	Yes/No	
E	Financial bid (BoQ) with price of following items	Yes/No	
	1) ANNEX-I: OPTIONAL ITEMS	Yes/No	
	2) ANNEX-II: LIST OF SPARES/ CONSUMABLES REQUIRED FOR 2 YEARS FOR....	Yes/No	
	3) ANNEX-III: LIST OF COLUMNS TO BE SUPPLIED ALONG WITH THE INSTRUMENT	Yes/No	
	4) ANNEX-X LIST OF INDIGENOUS ITEMS FOR GC MSMS FOR 2 YEARS	Yes/No	

**Seal**

**Signature of Bidder Name & Designation**

**Date:**