



**INDIAN MARITIME UNIVERSITY
MUMBAI PORT CAMPUS**

TENDER FOR "SUPPLY, INSTALLATION AND AMC OF BOILER"

at IMU Mumbai Port campus, Hay Bunder Road

TENDER NO – IMU-MPC/PUR/2020-21/Boiler/13

VOLUME - I

TECHNICAL BID

Issue of Tender Document	: 26.03.2021
Pre-Bid Meeting	: 1200 Hrs on 07.04.2021
Last Date for Submission	: up to 1700 Hrs on 16.04.2021
Opening of Technical Bid	: 1130 Hrs on 19.04.2021
Earnest Money Deposit (EMD)	: NIL
Estimated Cost	: 20 Lakhs

[Bidders are advised to study the Tender Document (including all Sections, Schedules and Annexure etc.,) carefully. Submission of Tender shall deem to have been done after careful study and examination of the Tender Document with full understanding of its implications.]

All bidders are requested to visit IMU Mumbai Campus website : www.imumumbaiport.ac.in & www.imu.edu.in for regular updates.

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INDIAN MARITIME UNIVERSITY
(A central University, Govt. of India)
Mumbai Port Campus,
Mumbai - 400033

TENDER NO. IMU-MPC/PUR/2020-21/Boiler/13

**TENDER FOR "SUPPLY, INSTALLATION AND AMC OF BOILER" AT IMU
MUMBAI PORT CAMPUS**

1. OBJECTIVE:-

IMU Mumbai Port Campus is inviting open tenders from qualified bidders for providing "**SUPPLY, INSTALLATION AND AMC OF BOILER**" at IMU Mumbai Port Campus, Hay Bunder Road, Mumbai – 400033.

2. PRE-QUALIFICATION CRITERIA:-

The eligible bidder has to satisfy the following condition

Sr. No.	Qualification Criteria	Supporting Documents	Bidder Confirmation with Page No.
2.1.	The bidder should possess valid trade license, PAN and GST Registration Certificate	Copy of trade license, PAN, GST Certificates should be submitted with application.	
2.2.	Bidder should be a Manufacturer or an authorized dealer.	In case of bidder is an authorized dealer, letter of authorization from OEM shall be submitted and in case of manufacturer BIS certificate should be submitted.	
2.3.	The bidder should have average annual turnover of Rs. 20 Lakhs during the last 03 financial years (i.e. 2017-18, 2018-19, 2019-20).	<ol style="list-style-type: none"> 1. Copy of Profit & Loss Account of the company for each of the 3 years authenticated by a CA. 2. Copy of Income Tax return for each of the 3 years authenticated by a Chartered Accountant 	
2.4	Should have at least One Proper workshop or office including provision for basic repairs and warehouse including spare parts with area minimum 125 Sq.ft.	<ol style="list-style-type: none"> 1. Photograph of Office, Workshop and Warehouse 2. IMU MPC may visit the premises of the bidder to verify the information 	
2.5	Should submit Boiler Certificate.	The supplier will ensure that IBR Appropriate Certificate/licence is obtained for the duration of warranty and AMC (10 years)	

3. EARNEST MONEY DEPOSIT (EMD):-

Every bidder shall submit a bid security declaration in the attached format as Annexure III.

4. Security Deposit:-

4.1. Within 07 days of the successful bidder's receipt of notification of award from IMU - MPC, the Bidder shall furnish a Security Deposit at the rate of 03% of the contract value in the form of an A/C Payee Demand Draft drawn in the name of Indian Maritime University - Mumbai Port Campus, payable at Mumbai towards due compliance of contract obligations to the satisfaction of the IMU - MPC and to make good any loss or damage caused to the IMU - MPC owing to acts in pursuance/violation of terms herein.

4.2. Security Deposit will be refunded / returned without any interest only 90 days after successful completion of AMC period. The refund or return of Security Deposit is subject to the complete fulfillment of the contract obligation by the supplier to the satisfaction of IMU and after adjustment of dues to IMU or penalty imposed by IMU.

5. GENERAL INSTRUCTION:-

5.1. **Sale of Documents:** The Tender document can be downloaded free of cost from the IMU website www.imu.edu.in and imumumbaiport.ac.in.

5.2. Submission:

5.2.1. The Tender shall be submitted in tender box which will be placed at the Main Gate of IMU-MPC, addressed to **THE DIRECTOR, INDIAN MARITIME UNIVERSITY, MUMBAI PORT CAMPUS, HAY BUNDER ROAD, MUMBAI-400033 up to date mentioned in cover page.**

5.2.2. The tenderer's shall seal the Technical-Bid and Price-Bid in separate envelopes (Cover-1 and Cover-2) duly marking the envelopes as "**Cover-1-Technical Bid**" and "**Cover-2-PriceBid**". The two envelopes along with the covering letter, EMD, Power of Attorney, if any shall then be sealed in an outer envelope.

5.2.3. The main envelope shall contain the following:

Outer Envelope

- (a) Covering Letter;
- (b) Earnest Money Deposit Demand Draft;
- (c) Sealed Cover - 1; and
- (d) Sealed Cover - 2

Cover-1 – Technical Bid

- a. Duly filled in Tender-Document with relevant details and complete in all respects. (Except price bid)
- b. Documents in support of pre-qualification criteria as mentioned in para 2.1 to 2.5
- c. Annexure – I (Compliance matrix to be filled and signed)
- d. Annexure – II (Mandate Form)
- e. Annexure – III (Bid Security Declaration form)

Cover –2 – Price Bid

PRICE BID/COVER duly filled in (both in figures and words).

- 5.2.4. The IMU-MPC, in exceptional circumstances, and at its sole discretion, may extend the tender due date by issuing a corrigendum.
- 5.2.5. The tenders will be opened in the presence of the representatives of the tenderers who choose to attend the tender opening (The maximum number of representatives attending the technical bid opening to be limited to 01 person).
- 5.2.6. The financial bids of the bidders who are technically qualified will be opened. The Bidders are requested to visit IMU Mumbai port Campus website www.imu.edu.in and www.imumumbaiport.ac.in for updates.
- 5.2.7. IMU reserves the right to cancel or withdraw the tender any time. IMU also reserves the right to reject any or all tenders without assigning any reason.

6. Validity:

The offer will remain valid for a period of 120 days from the date of opening of tender. If required, the validity shall be extended for further period by mutual consent.

7. Cancellation of Tender:

The bidder shall read and understand the contents of the tender documents, carefully. Failure to comply with the requirements of tender submission will render the tender liable for rejection. Tenders, which are not responsive to the requirements of the tender conditions, will be rejected.

8. Evaluation of Bids:

8.1. Technical Bid Evaluation:

- 8.1.1. The information furnished by the bidder in Cover - I in the prescribed format supplied by IMU- MPC will form the basis for the technical evaluation.
- 8.1.2. In exceptional cases IMU- MPC or his representative reserves the right

to obtain any clarifications from any of the bidder without vitiating the tendering process.

- 8.1.3. After satisfying that all / or some of the bidders have attained the minimum qualifying criteria as detailed above, bids of only the technically qualified bidders who fulfill all the pre-qualification / eligibility criteria, will be considered for further evaluation.

8.2. **Financial Bid Evaluation:**

- 8.2.1. The bidder quoting price for equipment has to quote for its AMC and vice –versa as well; else the bid will be rejected.

- 8.2.2. **The L1 will be calculated as per formula [Rates quoted for item + Average of AMC rates quoted]**

9. **Inspection & Rejection:**

The supply may be subject to inspection by IMU-MPC and IMU's decision to the acceptance of any equipment or rejection of any equipment/goods as not conforming to specification shall be final and binding on the successful bidder. Such of the equipment / goods which are rejected shall be removed by the successful bidder at their own expense and replaced by fresh ones within a time, as determined by IMU.

10. **Payment Terms:**

10.1. **New Equipment:**

- 10.1.1. No advance payment will be made.
- 10.1.2. The Supplier shall be paid 100% of payment against Supply, Installation, Commissioning, Acceptance Testing, Training and putting in to operation of equipments at designated place against the invoice. IMU will, after verification of the claim for its correctness, make payment within Thirty days after the date of receipt of the claim, complete and correct in all respects, from the supplier.
- 10.1.3. Up to 30% of total payment may be considered against supply of complete material prior to installation on case to case basis. Additional up to 30% payment may be considered after completion of installation. Balance payment after Commissioning, Acceptance Testing, Training and putting in to operation of equipments at designated place against the invoice.

10.2. **Annual Maintenance Contract:**

10.2.1. In respect of AMC, AMC charges will be paid at the end of each AMC period.

10.3. The Tax Invoice raised by the supplier must be in compliance of relevant GST acts, rules & notifications made there under and should bear the IMU MPC GST Registration no. 27AAAAI2610K2ZW. The rate and amount of CGST, SGST, IGST and GST (Compensation to state) cess, related to supply of goods, shall be shown separately in tax invoice for each item of supply.

11. Clarification /Information:

A bidder requiring any clarification regarding the tender documents may notify in writing to the address mentioned in the invitation of tenders or E-Mail to **procurement.mumbaiport@imu.ac.in** with a copy to **director.mumbaiport@imu.ac.in**. IMU-MPC will respond to any valid request for clarification, raised during the pre-bid meeting or received one week prior to the last date for submission of tenders. IMU-MPC's decision is final and binding with regard to interpretation of terms used or other tender contents.

12. Scope of Work:

12.1. Supply, Installation and AMC of Boiler as mentioned in the table below: -

Sl. No.	Name of the Equipment	Qty
1	IBR Boiler and systems	01 Unit

12.2. **Supply of Equipment:** The supply shall include complete set of equipment including accessories, spares and consumables as described in the subsequent paragraphs of the "Technical Specification" along with the pedestal for easy accessibility for the trainees **(Annexure - I)**.

12.3. Installation, Demonstration and User Acceptance Testing:

- 12.3.1. The supplier is required to supply the items within 30 days of the issuance of the work order and do the site preparation, installation and demonstration of the equipment within 60 days of the arrival of materials at the IMU's site of installation; otherwise the penalty clause will be the same as per the supply of materials.
- 12.3.2. The successful Bidder shall depute their Service Engineer for demonstration or calibration of the equipment. The Service Engineer shall demonstrate operation of equipment to the satisfaction of IMU-MPC Campus. IMU-MPC may request to demonstrate the functioning of the equipment, after installation, by asking to perform a few experiments and verification of the results either by theoretical or other practical means.
- 12.3.3. In case of any mishappening /damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. IMU will not be liable to any type of losses in any form.
- 12.3.4. The acceptance tests for supplied goods shall be carried out at IMU by the supplier with the participation of concerned personnel from IMU-MPC.
- 12.3.5. In case of the acceptance tests are not concluded to the satisfaction of IMU the supplier shall repair or replace, at the supplier's cost, the whole or any part of the equipment as may be necessary for conclusion of the acceptance tests to the satisfaction of IMU within the reasonable period agreed by IMU. Demonstration of performance of the equipment should be done after such repair / replacement for acceptance of IMU.
- 12.3.6. IMU reserves the right to accept the delivered items with deviations, provided the supplier agrees to rectify the

deviations within the stipulated delivery and installation period. Regarding the acceptance date, decision of IMU would be final.

12.3.7. The supplier shall provide necessary consumables till the completion of acceptance testing, without any additional cost.

12.3.8. All parts and equipment should be brand new and unused. Refurbished items shall not be accepted.

12.3.9. The equipment shall be robust for academic use and shall have to produce results with accuracy, as determined reasonable by IMU.

12.4. **Documentation:**

12.4.1. The successful bidder shall provide IMU with necessary documents including the following:

12.4.1.1. Operational and Maintenance Manuals of equipment.

12.4.1.2. Equipment serial numbers and models.

12.4.1.3. Test Certificates, Licenses if any.

12.4.1.4. Acceptance test results and acceptance status.

12.4.1.5. Training Material.

12.4.1.6. Full documentation with the software. (if applicable)

12.4.2. Two sets of hardcopy of the above shall be handed over to nominated personnel of IMU. Soft copy of the documents shall also be provided where applicable. Handing over of documents to IMU by supplier is a pre-requisite for Acceptance.

12.4.3. Manuals for the instruments are to be supplied with respect to operation, maintenance, ordering spares / technical services.

12.4.4. A video clip on the operation of equipment shall be made available.

12.5. **Site Preparation:**

The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which IMU should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter. The supplier shall visit the IMU Campuses and see the site where the equipment is to be installed and may offer his advice and render assistance regarding specification, material and associate fittings/ fixtures required for preparation of the site and other pre-installation requirements, to bring the equipments at the stage of operation, within One week of issuance of order.

12.6. **Acceptance of Equipment:**

12.6.1. The activity shall deem to have been completed with the completion of Supply, Installation, Servicing, Repairs and putting in to operation of equipments at IMU MPC. However, the supply shall be complete only upon certification to this effect issued by IMU-MPC.

12.6.2. Upon completion of Supply / work and after successful completion of other prerequisites like acceptance testing, Training etc., as prescribed in this document, IMU shall receive a written undertaking from the supplier that the supply / works have been completed and accordingly a certificate of completion would be issued in respect of the supply/works. The warranty period for the supplied system would commence from the date of Acceptance by IMU separately for each Campus.

12.7. **Replacement of Defective Equipment:** If any of the equipment supplied by the supplier is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the IMU will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the supplier with 18% interest per annum if such payments for such equipment have already been made. All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 30 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges. In case supplier fails to replace above item as per above terms & conditions, IMU may consider 'Banning' the supplier and any other remedies, as deemed fit by IMU-MPC.

13. Comprehensive Onsite warranty:

- 13.1. A comprehensive onsite warranty for the supplied equipment shall be provided by the supplier for a minimum of **Five year** from the date of final acceptance of the equipment by IMU. The supplier will be notified of any defect or claim arising under this warranty and the warranty support shall be provided at site of IMU Campuses.
- 13.2. If the supplier having been notified fails to remedy the defect immediately as per 14.2, IMU may proceed to take such remedial action as may be necessary at the supplier's expense. The period that the equipment is out of commission / operation as a result of supplier's failure to remedy the defects notified shall result in extension of the warranty period correspondingly and imposition of penalty (Rs.2,000/- (Rupees Two Thousand only) per instance which will be adjusted from the Security Deposit or any other dues to the supplier).

14. Comprehensive On-site AMC:

- 14.1. Comprehensive maintenance for **Five years** is to commence immediately after the expiry of the comprehensive Three years warranty period for items mentioned in "Annexure - I".
- 14.2. The supplier shall provide necessary comprehensive preventive and corrective maintenance on site i.e., by sending the engineer to the IMU Campuses for attending the maintenance requirements of the supplied equipment. Successful bidder should physically attend the site within **2 working** days of reporting of breakdown. All spares which need replacement during the period of onsite maintenance are to be replaced without any additional cost. The conditions specified for warranty will be applied by during AMC period and vice-versa.
- 14.3. In addition to above, support should also be available by phone, e-mail to solve the problem as soon as possible during the period of Warranty and Annual Maintenance Contract. He shall have facilities with sufficient service engineers trained to provide support services. The Bidder shall also have sufficient spares on hand for providing the uptime as indicated in this tender.

TECHNICAL SPECIFICATION AND COMPLIANCE MATRIX

Sl. No.	Name of the Equipment/ Requirement	Qty	Specifications	Compliance to Specification YES/NO
1.	IBR Boiler and systems. 1) Steam Boiler with IBR certification 2) Exhaust Chimney 3) Boiler super heater 4) Steam turbine with electrical dynamometer. 5) Fuel oil system including tank, pipelines, pumps. 6) Fresh water/steam system including fresh water tank, pipelines, pumps, Condenser 7) Central Console for plant operation 8) Civil Work for setting entire boiler plant mentioned in point 1 to 6, Civil work include construction of water proof shade, with brick walls, strong tin shade as roof, suitable ventilation , room locking arrangement and inspection platform along the boiler plant.	01 Unit	<ul style="list-style-type: none"> Steam Boiler system: 6-7 bar steam pressure , Oil fired, Smoke tube, IBR certified boiler 	
			<ul style="list-style-type: none"> Exhaust Chimney: length ,diameter Design as per IBR Standard. 	
			<ul style="list-style-type: none"> Boiler super heater: Steam Superheater, temp raise above saturation level temp to 50 degree more but not less than 225 degree Celsius at 5 bar operation 	
			<ul style="list-style-type: none"> Steam Turbine: 2 k W, with steam saturation level indicator, steam flow meter level, associated pressure and temp gauges 	
			<ul style="list-style-type: none"> Fuel Oil System: Closed Fuel tank, capacity not less than 400 ltr, level indicator, with quick closing valve arrangement. Tank and Fuel Piping material of Industrial and IBR standard 	
			<ul style="list-style-type: none"> Fresh water system Tank capacity more than 1 m3, with level indicator Condenser, vacuum type with air extractor. Material of Tank, steam and fresh pipe lines, condenser to be of Industrial and IBR standard. 	
			<ul style="list-style-type: none"> Central Console: Modern standard with feedback of all the parameter of the running plant for eg. But not limited to Boiler water level, steam pressure after boiler, steam in and out pressure before and after steam turbine etc. 	
2.	Safety features: Auto cut off safety system for- high steam pressure, low-low water level, flame failure, draft failure, 2 sets of safety valve and 2 sets of gauge glass and audio-video indication and alarm for low water lever, low steam pressure, high steam pressure etc. All paint used for covering boiler system to be Fire retardant type			

**MANDATE FORM
(Account/s Information form)**

REAL TIME GROSS SETTLEMENT (RTGS)/ NATIONAL ELECTRONIC TRANSFER (NEFT) / INTRA BANK ACCOUNT TRANSFER FACILITY FOR RECEIVING PAYMENTS FROM IMU.

A. DETAILS OF ACCOUNT HOLDER:

NAME OF ACCOUNT HOLDERER / FIRM

COMPLETE CONTACT ADDRESS

MOBILE NUMBER / PH NO

E.MAIL:

PAN :

B, BANK ACCOUNT DETAILS:

ACCOUNT NAME (Name appearing in your Cheque Book)

BRANCH NAME WITH COMPLETE ADDRESS,

TELEPHONE NO

BRANCH CODE

Note: Please attach a Cancelled Cheque along with the account information form.

COMPLETE BANK ACCOUNT NUMBER (Please note that the Bank Account must be in the name of the Firm as appeared in the bill. In case of other Beneficiaries (Non-vendor) the Account name must be in the name of Applicant)

IFSC CODE

TYPE OF ACCOUNT (SB/CURRENT/CASH CREDIT)

MICR CODE OF BANK

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information I would not hold the IMU responsible.

(.....)

Signature of Beneficiary

Date:

Mandatory for Vendors/suppliers/Contractors etc., Payment:

Certified that the particulars furnished above are correct as per our records.

(Bank's Stamp with Date & Place)

(.....)

Signature of Bank Manager

FORMAT OF BID SECURITY DECLARATION

I/We-----
----- hereby states and understand that,
if I/We -----
-----withdraw/modify our tender during the
period of validity of the tender, The Indian Maritime University, Mumbai Port
Campus would suspend the bidder from participation in any future tenders
of Indian Maritime University for a period of Six (06) months.

Signature _____

Name _____

Date

Capacity in which signed _____

Place

Seal of the firm to be affixed.



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VOLUME - II

FINANCIAL BID

[Bidders are advised to study the Tender Document (including all Sections, Schedules and Annexure etc.,) carefully. Submission of Tender shall deem to have been done after careful study and examination of the Tender Document with full understanding of its implications.]

All bidders are requested to visit IMU Mumbai Campus website :
www.imumumbaiport.ac.in & www.imu.edu.in for regular updates.

PRICE BID

[On the Letter head of the Bidder and to be put in sealed cover]

SUPPLY, INSTALLATION AND AMC OF BOILER

(Amount in Rs.)

Sl. No.	Name of the Equipment	Qty.	Price of the equipment	AMC Charges for 1 st year after Warrantee	AMC Charges for 2 nd year after Warrantee	AMC Charges for 3 rd year after Warrantee	AMC Charges for 4 th year after Warrantee	AMC Charges for 5 th year after Warrantee	Total
		2	3	4	5	6	7	8	6 = (3+4+5+6+7+8)
1	IBR Boiler and systems (As per specification in Annexure – I)	01 Unit							
	Total:								

The rates quoted above should be only the unit price (i.e. inclusive of basic price, transportation and any other charges) and exclusive of GST and any cess on GST.

Date:

Stamp & Signature of Bidder

Place: