

	<p>भारतीय प्रौद्योगिकीसंस्थानमद्रासचेन्नै 600 036 INDIAN INSTITUTE OF TECHNOLOGY MADRAS Chennai 600 036 मंडार एवं क्रय अनुभाग STORES & PURCHASE SECTION Email: adstores@iitm.ac.in दूरभाष: (044) 2257 8285 / 8286 / 8287 / 8288 फ़ैक्स: (044) 2257 8292 Telephone : (044) 2257 8285/8286/8287/8288 FAX: (044) 2257 8292 GSTIN: 33AAAAI3615G1Z6</p>	
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P K Sheba Sabari

Assistant Registrar (Stores & Purchase)

Date: 09.02.2023

Tender No. IITM/SPS/E-Bus/022/2022-23/SPL

Due Date: 02.03.2023

Before 2.00 p.m.

Dear Sir/Madam,

On behalf of the Indian Institute of Technology Madras, Tenders are invited in two bid system namely technical bid and financial bid for

SUPPLY OF E-BUS WITH AC AND WITHOUT-AC FOR STUDENT COMMUNITY AT IIT MADRAS

Conforming to the specifications enclosed.

Tender Documents may be downloaded from Central Public Procurement **Portal <https://etenders.gov.in/e procure/app>**. Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <https://etenders.gov.in/e procure/app>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at "**Help for contractors**". [Special Instructions to the Contractors/Bidders for the e-submission of the bids online through this e-Procurement Portal"].

Bidders can access tender documents on the website (For searching in the NIC site, kindly go to Tender Search option and type 'IIT'. Thereafter, Click on "GO" button to view all IIT Madras tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <https://etenders.gov.in/e procure/app> as per the schedule attached.

No manual bids will be accepted. All tender documents including Technical and Financial bids should be submitted in the CPP Portal (e-procurement).

LAST DATE for receipt of Tender	02.03.2023 before 02.00 p.m.
Pre-bid meeting	The Pre-bid Meeting will be conducted via Google Meet on 15.02.2023 @ 04:00 p.m. Please see the below link to join the meeting meet.google.com/rnb-difj-gzf Prospective bidders are requested to register their participation by sending an email to adstores@iitm.ac.in , with name/designation of the representative who will attend the meeting along with queries on or before 14.02.2023 .
Date & Time of opening of Tender	03.03.2023 @ 03.00 p.m.

GUIDELINES FOR TENDER SUBMISSION IN CENTRAL PUBLIC PROCUREMENT PORTAL (E-PROCUREMENT MODE)

A	निविदा की प्रस्तुति / Submission of Tender	As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal URL: https://etenders.gov.in/e procure/app The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal. More information useful for submitting online bids on the CPP Portal may be obtained at: https://etenders.gov.in/e procure/app
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		All tender documents including Technical Bid & Financial Bid should be submitted separately in online CPP portal as per the specified format only. Right is reserved to ignore any tender which fails to comply with the above instructions. No manual bid submission will be entertained.
B	ऑनलाइन बोली जमा के अनुदेश / Instructions for online bid submission	<p>REGISTRATION</p> <ul style="list-style-type: none"> Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal URL: https://etenders.gov.in/e procure/app by clicking on "Online Bidder Enrolment". Enrolment on the CPP Portal is free of charge. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.) https://e procure.gov.in/e procure/app with their profile. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse. Bidder then may log in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.
C	निविदा दस्तावेज़ की खोज /Searching for tender documents	<ul style="list-style-type: none"> There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective "My Tender" folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.
TERMS AND CONDITIONS		
D	बोली की तैयारी / Preparation of bids	<ul style="list-style-type: none"> The bidder are advised to carry out the field inspection of the campus (at the bidder's expense) to understand the routes and topography of the campus and satisfy themselves before submitting their tenders. For details, the bidder can contact Dr. G. Balaganesan, Senior Technical Officer, Central Workshop, IIT Madras. His contact number is 044-2257 4968, Email: gbganesh@iitm.ac.in. Bidder should take into account any corrigendum published on the tender document before submitting their bids. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid. Bidder, in advance, should prepare the bid documents to be submitted as indicated in the tender document / schedule and generally shall be in PDF / XLS formats as the case may be. Bid documents may be scanned with 100 dpi with black and white option. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision

		of uploading such standard documents (e.g. PAN card copy, GSTIN Details, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Documents” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.
E	बोली की प्रस्तुति / Submission of bids	<ul style="list-style-type: none"> • Bidder should log into the site well in advance for bid submission so that he/she can upload the bid in time i.e. on or before the bid submission date and time. Bidder will be responsible for any delay due to other issues. • The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document. • Bidder has to transfer the EMD as applicable by online mode only. The EMD should be transferred on or before the closure date and time of the tender. If the EMD is not transferred before the closure date and time, the tender will be summarily rejected. The proof of transfer has to be submitted in the Technical Bid. Otherwise, the tender will be summarily rejected. • A standard BOQ format has been provided in Annexure-C with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BOQ file, open it and complete the detail with their respective financial quotes and other details (such as name of the bidder). If the BOQ file is found to be modified by the bidder, the bid will be rejected. • The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission. • The Tender Inviting Authority (TIA) will not be responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to local issues. • The uploaded tender documents become readable only after the tender opening by the authorized bid openers. • Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details. • Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.
F	बोलीदाताओं के लिए सहायता / Assistance to bidders	<ul style="list-style-type: none"> • Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender. • Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is [0120-4200462, 0120-4001002, 0120-4001005]
G	बोलीदाताओं के लिए सामान्य अनुदेश/General Instructions to the Bidders	<ul style="list-style-type: none"> • The tenders will be received online through portal https://etenders.gov.in/eprocure/app. In the Technical Bids, the bidders are required to upload all the documents in single pdf file. • Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through https://etenders.gov.in/eprocure/app • Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site https://etenders.gov.in/eprocure/app under the “Information about DSC”.

H	<p>बयाना जमा (ईएमडी) / Earnest Money Deposit (EMD)</p>	<p>i. EMD of INR 20,00,000/- (Rupees Twenty Lakhs only) should be transferred through NEFT/RTGS to the following bank account on or before due date 02.03.2023 before 02:00 p.m.</p> <p style="padding-left: 40px;"> Name : Registrar IIT Madras Bank : State Bank of India Account No. : 10620824305 Branch : IIT MADRAS IFSC CODE : SBIN0001055 </p> <p>ii. As per O.M. No.F.1/2/2022-PPD Dated 01.04.2022, the EMD will be returned to the unsuccessful Bidder(s), within 30 days after declaration of result of first stage i.e. technical evaluation etc. The EMD shall be forfeited if any Bidder withdraws the offer before finalization of the tender.</p> <p>iii. The EMD amount should not be sent through DD.</p> <p>iv. Non-submission of EMD details on or before the due date and time will result in rejection of the e-bid.</p> <p>v. As per Rule 170 of GFR 2017, exemption of EMD will be given subject to submission of undertaking by the firm seeking such exemption. Copies of relevant orders/ documents regarding such exemption should be submitted along with the tender document</p> <p>vi. The successful bidder shall submit a Performance Guarantee of 3% of the quoted value in the form of Demand Draft / Bank Guarantee / Insurance Bond in favour of “The Registrar, IIT Madras” to be obtained from any commercial bank within 15 (fifteen) days from the date of issue of Order by IIT Madras, which would be released 60 days after the successful completion of the warranty period after the adjustment dues if any, without interest.</p> <p>vii. In case of successful bidder, the EMD will be adjusted towards the Performance Guarantee on request.</p> <p>The amount of EMD is liable to be forfeited, if the bidder withdraws from the offer after submission of the tender or after the acceptance of the offer and fails to remit the Performance Guarantee.</p>
I	<p>तकनीकी बोली पर मार्किंग /Marking on Technical Bid</p>	<p>i. The scope of work, Bidder eligibility criteria and Technical specification for this tender is given in Annexure A. The Bidders shall go through the bidder eligibility criteria, technical specification and submit the technical bid in the proforma given in Annexure B in the tender document along with the supporting documents.</p> <p>ii. The Technical bid should be submitted in pdf format only through online (e-tender). No manual submission of bid will be entertained.</p> <p>iii. The technical bid should have the page-wise heading as “Technical Bid” and page no. in all pages with seal and signature of authorized signatory. The total no. of pages should be mentioned at the last page of the documents.</p> <p>iv. The technical bid should consist of</p> <p style="padding-left: 20px;">a) Document proof for EMD payment</p> <p style="padding-left: 20px;">b) Technical Compliance sheet as per proforma given in Annexure-B</p> <p style="padding-left: 20px;">c) Document proof for bidder eligibility criteria, technical specification details along with catalogue / brochure and other technical, commercial terms and conditions.</p>
J	<p>वित्तीय बोली पर मार्किंग / Marking on Financial Bid</p>	<p>Financial bid should be submitted in the prescribed proforma format given in Annexure-C as per BOQ in xls format through e-tender only. No manual or other form of submission of Financial Bid will be entertained.</p>

<p>2 निविदा की तैयारी / Preparation of Tender:</p> <ul style="list-style-type: none"> • The bids should be submitted through online only in two bid system i.e. Technical Bid and Financial Bid separately. • The bidder has to submit the tender document duly signed on all pages by an authorized person and his / her full name and status shall be indicated below the signature along with official seal/stamp of the firm. Submission of wrong / forged information / document will be liable to legal action, and rejection of the bid submitted by the firm. • The bids of the agency/firm/company not in possession of valid statutory license / registrations are liable for rejection. • If any relative of the bidder is an employee of the IIT Madras, the name, designation and relationship of such employee shall be intimated to the Registrar, IIT Madras in writing while submitting the bid. • No bidder will be allowed to withdraw / alter / modify the bid during the bid validity period.
<p>3 निविदा पर हस्ताक्षर / Signing of Tender:</p> <p>The bid is liable to be rejected if complete information is not given therein or if the particulars and date (if any) asked for in the schedule to the tender are not fully filled in or not duly signed/authenticated. Specific attention is drawn to the delivery dates and terms and conditions enclosed herewith. Each page of the bids shall be duly signed with the official seal of the Bidders.</p> <p>If the bid is submitted by a firm in partnership, it shall be signed (with seal) by all the partners of the firm above their full typewritten names and current addresses. Alternatively it shall be signed by a partner holding power of attorney for the firm in which case a certified copy of the power of attorney shall accompany the bid. A certified copy of the partnership deed along with current addresses of all the partners of the firm shall also accompany the bid.</p> <p>If a limited company or a corporation makes the application, it shall be signed by a duly authorized person holding power of attorney for signing the bid, in which case a certified copy of the power of attorney shall accompany the bid. Such limited company or corporation may be required to furnish satisfactory evidence of its existence. The bidder shall also furnish a copy of the Memorandum of Articles of association duly attested by a Notary Public.</p>
<p>3 वह अवधि जिसके लिए ऑफर खुला रहेगा / Period for which the offer will remain open:</p> <p>The Tender shall remain open for acceptance/validity till: 120 days from the date of opening of the tender. However, the day up to which the offer is to remain open being declared closed holiday for the Indian Institute of Technology Madras, the offer shall remain open for acceptance till the next working day.</p>
<p>4 कीमत / Prices:</p> <ul style="list-style-type: none"> • The prices quoted must be Nett and should be considering all scope of work, terms & conditions and as per the technical specification mentioned in Annexure A. • All conditional tenders will be summarily rejected. • Quote should be in INR only.
<p>5 Warranty: Minimum 1 Year of standard warranty (balance will be covered in CAMC).</p>
<p>6 आपूर्ति के लिए कोई अग्रिम भुगतान नहीं किया जाएगा / Stage wise Payment will be made:</p> <ul style="list-style-type: none"> • I Stage: 10% in advance of the total value excluding CAMC value after acceptance of purchase order against Performance Bank Guarantee. • II Stage: 10% of the total value excluding CAMC value after supply and completion of 5 full working day trial run of 1 bus with 1 charger. • III Stage: 70% of the total value excluding CAMC value within 45 days of delivery of all vehicles, equipment and facilities, inspection and approval as per agreed specification required for CAMC. • IV Stage: 10% of the total value excluding CAMC value Within 45 days of successful commissioning and operations of 5 buses. • Comprehensive Annual Maintenance Contract (CAMC): Half yearly payment in advance after successful commissioning and operations and invoice for each payment should be raised by the supplier.
<p>7 निबंधन व शर्तें / Terms and Conditions:</p> <p>Failure to comply with any of the instructions stated in this document or offering unsatisfactory explanations for non-compliance will lead to rejection of offers.</p>

8	<p>सुपूर्दगी / Delivery: Items should be delivered within 12 Months from the date of Purchase Order. Non delivery of items may lead to cancellation of Purchase Order without any notice. At the time of accepting orders, an overall project plan up till the date of commissioning to be provided. Further, periodic update reports should be provided every 4 weeks.</p>
9	GST: As applicable
10	<p>स्वीकृति का अधिकार / Right of Acceptance: IIT Madras reserves the right to reject the whole or any part of the Tender without assigning any reason or to accept them in part or full. IIT Madras also reserves the right to extend the order for additional e-Buses and Chargers at the same prices within a period 18 months from the date of placement of PO.</p>
11	<p>स्वीकृति की सूचना / Communication of Acceptance: Letter of Intimation and acceptance will be communicated by email to the successful bidder to the address indicated in the bid.</p>
12	All information including selection and rejection of technical or financial bids of the prospective bidders will be communicated through CPP portal. In terms of Rule 173 (iv) of General Financial Rule 2017, the bidder shall be at liberty to question the bidding conditions, bidding process and/or rejection of bids.
13	<p>बोलीदाता को इस निविदा के साथ जमा करना होगा / Bidder shall submit along with this Tender: Name and full address of the Banker & their swift code, PAN No. and GSTIN number.</p>
14	<p>क्षेत्राधिकार / Jurisdiction: All questions, disputes, or differences arising under, out of or in connection with the contract, if concluded, shall be subject to the exclusive jurisdiction at the place from which the acceptance of tender is issued.</p>
15	<p>विवाद प्रबंधन /Dispute Settlement:</p> <ul style="list-style-type: none"> It is mutually agreed that all differences and disputes arising out of or in connection with this agreement shall be settled by mutual discussions and negotiations. If such disputes and differences cannot be settled and resolved by discussions and negotiations then the same shall be referred to the sole Arbitrator appointed by the Director, IIT Madras whose decision shall be final and binding on both the parties. <p>It is also agreed that in case of any disagreements / disputes in connection with the Arbitrator's award, the same shall be settled under the Court of Law with its jurisdiction at Chennai. The resultant contract will be interpreted under Indian Laws.</p>
16	<p>जुर्माना & परिसमापन क्षति / Penalty & Liquidated Damages / Force Majeure: If the selected Bidder fails to complete the due performance of the contract in accordance with the terms and conditions, Institute reserves the right either to cancel the contract or to accept performance already made by the selected Bidder after imposing Penalty on Selected Bidder. A penalty will be calculated on a per week basis and on the same Rate as applicable to Liquidated Damages (LD). In case of termination of the contract, Institute reserves the right to recover an amount equal to 5% of the Contract value as Liquidated Damages for non-performance.</p> <p>Both Penalty and Liquidated Damages are independent of each other and are applied separately and concurrently. Penalty and LD are not applicable for reasons attributable to the Institute and Force Majeure. However, it is the responsibility of the selected Bidder to prove that the delay is attributable to the Institute and Force Majeure. The selected Bidder shall submit the proof authenticated by the Bidder and Institute's official that the delay is attributed to the Institute and/or Force Majeure along with the bills requesting payment.</p>
17	The bidder shall certify that the tender document submitted by him / her are of the same replica of the tender document as published by IIT Madras and no corrections, additions and alterations made to the same. If any deviation is found in the same at any stage and date, the bid / contract will be rejected / terminated and actions will be initiated as per the terms and conditions of the contract / tender.
18	The bidder shall study the tender document of Scope of Work, Bidder Eligibility Criteria and Technical Specification in detail as given in Annexure A before submitting the bid.
19	<p>PRE-QUALIFICATION CRITERIA</p> <p>बोलीदाता पात्रता मापदंड Bidders Eligibility Criteria-I</p> <ol style="list-style-type: none"> The bidder shall not be from a country sharing land border with India and if the bidder is from a country sharing land border with India the bidder should have been registered with the competent authority as per orders of DIPP OM No. F. No. 6/18/2019-PPD dated 23rd July 2020, and MoCI Order No. P-45021/112/2020-PP (BE II) (E-43780) dated 24th August 2020. A declaration as per format given in Annexure – D shall be submitted with the bid. Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P45021/2/2017-PP (BE II) dated 16th September 2020 and other subsequent orders issued therein, shall be eligible to bid in this tender. Declaration for Class-I and Class-II local suppliers should be submitted in the prescribed proforma as per Annexure-E.

बोलीदाता पात्रता मापदंड **Bidder Eligibility Criteria-II**

1. The bidder nor any of its partner should have not been blacklisted / debarred /involved / convicted in any criminal case / economic offence nor any criminal case / economic offence is pending against firm or any partner of the Firm before any Court of Law / Police. A self-declaration format given in **Annexure – F**.
2. The bidder should be an OEM or authorized supplier of OEM. Necessary OEM certificate / OEM authorization letter for this particular tender should be submitted by the bidder as given in **Annexure-G**.
3. Certification from the Automotive Research Association of India (ARAI) as per Central Motor Vehicle Rule (CMVR) necessary document proof should be provided.
4. The bidder should have produced and delivered within India at least 5 Nos. of E-Buses on or before the 1st of December, 2022
5. The firm must have an aggregate financial turnover of at least Rs. 8 Crores in the last Three years i.e. 2019-20, 2020-21 and 2021-22 (financial statements/certificates issued by Chartered Accountant should be submitted as a proof).
6. The bidder should have supplied E-Buses at least one in the last five years (2017-18, 2018-19, 2019-2020, 2020-2021 & 2021-2022) to Central Government / Central PSU / Central Autonomous / reputed firms as detailed below:
 - i) Three (3) supplies each costing not less than Rs.4 Crores
(Or)
 - ii) Two (2) supplies each costing not less than Rs.6 Crores
(Or)
 - iii) One (1) supply costing not less than Rs.8 Crores

Copies of the documents listed below should be submitted as a proof for the above supply:

- a) Purchase Orders
 - b) Performance certificate. The past performance of the bidder will be verified with the previous customers whenever required.
7. The bidder should have local service centers in Chennai / within the range of 200 Kms. from IIT Madras Campus.
 8. Vendors will be called for a detailed presentation and the committee shall rate them for their technical capability/ additional features offered/ quality compliance / innovative & smart solutions offered, relevance to duty cycle and technical support for future R&D efforts, etc.

20 बोलियों की संख्या और उनका प्रस्तुतीकरण / **Number of Bids and their Submission:**

The bidders should submit the bids in two bid system as detailed below:

Bid I Technical Bid

The technical bid should consist of Bidder Eligibility Criteria I & II and Technical Specification compliance sheet (proforma given in **Annexure-B**) along with all relevant documents proof.

The bidder should go through the scope of work, Bidder Eligibility Criteria I & II and technical specification given in **Annexure-A** of the tender document, understand the requirement of IITM and submit their technical bid along with all relevant document proof in the proforma given in **Annexure-B**. **Any tender document without these shall be invalid and rejected.**

Bid II Financial Bid

The financial bid should be submitted in excel format (BOQ) as per the proforma (**Annexure C**) and uploaded in the CPP e-Procurement Portal. The Quoted price should be for supply, commissioning and CAMC of the buses inclusive of all cost (Insurance, Transport, etc.,) at IIT Madras.

बोली का मूल्यांकन Evaluation of Bids:

Bid Evaluation will take place in two stages.

Technical Bid evaluation

Technical bid evaluation will be done in two stage:

Stage-I: In the 1st stage, each point given in Technical Bid (Annexure-B) will be evaluated. Bidders who have satisfied all the conditions stipulated in the **Annexure-B** alone will be qualified for Stage-II evaluation.

Stage-II: In the 2nd stage, the Technical Specification offered by the bidders will be evaluated by the Committee for the parameters in **Table I and II** of Sl. No. 21 terms and conditions of this tender and marks will be given as per the parameters mentioned in the **table I & II**. Only those bidders who have fully complied with Pre-qualification Criteria (Eligibility Criteria I & II), Technical Specifications and Table I & II will be considered by the Committee for opening of Financial bid.

The parameter to be considered for Technical Evaluation and the maximum marks for each parameter of the Technical bid are as under:

Sl. No.	Parameter	Max. Marks
1	<u>TABLE – I</u>	
	Background of the Organization:	
	Sl. No.	Parameter
	Max. Marks	
a	Aggregate Turnover for 3 years (2019-20, 2020-21 and 2021-22): i) Minimum Rs. 50 Crores : 3 Marks ii) More than Rs. 50 Crores Upto Rs. 75 Crores : 4 Marks iii) Above Rs. 75 Crores : 5 Marks	5
b	Total experience in Supply/Production and Delivery of E-Bus within India on or before 01.12.2022: i) Minimum 50 Nos. of E-Buses : 8 Marks ii) More than 50 to 70 Nos. of E-Buses : 10 Marks iii) More than 70 to 100 Nos. of E-Buses : 12 Marks iv) Above 100 Nos. of E-Buses : 15 Marks	15
	Documentary proof for the above parameters should be submitted in the technical bid	
2	<u>TABLE – II</u>	
	Sl. No.	Parameter
	Max. Marks	
	Total No. of Local Service Centers within the range of 200 Kms from IIT Madras Main Campus: i) Minimum 1 Local Service Center : 5 Marks ii) More than 1 Local Service Center : 10 Marks	10
3	<u>TABLE – III</u>	
	Vendors will be called for a detailed presentation and the committee shall rate them for their technical capability/ additional features offered/ quality compliance / innovative & smart solutions offered, relevance to duty cycle and technical support for future R&D efforts, operational suitability to the route provided, etc.	
	TOTAL Technical Score (TS)	50

Documentary proof for the above parameters should be submitted in the technical bid.

Only those firms who have secured a minimum of 35 marks (70%) in the stage II of Technical bid evaluation will be declared as technically qualified for opening of Financial bid.

Financial Bid Evaluation

The Lowest financial bid among those who have qualified in the Technical bid will be declared as successful bidder (L1) and the order will be awarded to successful bidder (L1).

22	<p>सफल बोलीदाता का चयन और आदेश प्रदान करना / Selection of successful bidder and Award of Order</p> <p>The order will be directly awarded to the technically and financially qualified bidder as per the condition in para 3A of DIPP, MoCI Order No. 45021/2/2017-PP (BE II) dated 16th September 2020 and other subsequent orders issued therein</p>
23	<p>Bidders will not be entertained to participate in opening of Bids, since the tender is e-tender. The opening of the bids may be checked using the respective logins of the bidders.</p>
24	<p>The pre-bid meetings will be conducted through online. Bidders can submit their queries and doubts to the email id: adstores@iitm.ac.in till the date of the online pre-bid meeting. Clarification to the queries and doubts raised by the bidders will be issued as a corrigendum/addendum in the e-tenders portal and Institute Website (tenders.iitm.ac.in). For the bidders, submitting bids on downloaded tender document, it is 'bidders' responsibility to check for any amendment/corrigendum on the website of IIT Madras or check for the same CPP Portal before submitting their duly completed bids.</p>

S/d
Assistant Registrar
Stores & Purchase

ACKNOWLEDGEMENT

It is hereby acknowledged that I/We have gone through all the points listed under “Guidelines, Scope of Work, Technical Specification and Special Terms & Conditions” of tender document the same is abided and agreed to be executed. In case, if the above information is found false, I/We are fully aware that the tender /order will be rejected / cancelled by IIT Madras.

Signature of the Bidder
Name & Address of the Bidder with Office Stamp

SCHEDULE OF TENDER

SUPPLY OF E-BUS WITH AC AND WITHOUT-AC FOR STUDENT COMMUNITY AT IIT MADRAS

Tender No.IITM/SPS/E-Bus/022/2022-23/SPL

Name of Organization	Indian Institute of Technology Madras
Tender Type (Open/Limited/EOI/Auction/Single)	OPEN
Tender Category (Services/Goods/Works)	Goods
Type/Form of Contract (Work/Supply/Auction/ Service/ Buy/ Empanelment/ Sell)	Supply
Name of the Tender	SUPPLY OF E-BUS WITH AC AND WITHOUT-AC AT IIT MADRAS
Source of Fund (Institute/Project)	IIT Madras
Is Multi Currency Allowed	No
Date of Issue/Publishing the specification	09.02.2023
Document Download Start Date	09.02.2023
Pre-Bidding meeting	15.02.2023 @ 04.00 pm
Document Download End Date	02.03.2023 @ 02.00 pm
Bid Submission Start Date	25.02.2023
Last Date and Time for Uploading of Bids	02.03.2023 before 02.00 pm
Date and Time of Tender Opening	03.03.2023 at 03.00 pm
No. of Covers (1/2/3/4)	2
Bid Validity days (180/120/90/60/30)	120 Days
Address for Communication	<p><u>For Technical Queries:</u> Dr. G. Balaganesan, Senior Technical Officer, Central Workshop, IIT Madras. Number 044-2257 4968, Email: gbganesh@iitm.ac.in.</p> <p><u>For General Queries:</u> The Assistant Registrar Stores & Purchase Section IIT Madras Chennai – 600 036 Number 044-2257 8287, Email: adstores@iitm.ac.in.</p>
Contact No.	For Queries : 044- 2257 8287/8288

SUPPLY OF E-BUS WITH AC AND WITHOUT-AC FOR STUDENT COMMUNITY AT IIT MADRAS
Tender No.IITM/SPS/E-Bus/022/2022-23/SPL

SCOPE OF WORK

Indian Institute of Technology Madras invites tender for the supply of 5 Nos. of E-bus (4 Nos. without-AC and 1 No. with AC) to be used for Student Community on a daily basis (365 days/a year). Out of the 5 buses 4 shall be without-AC for operation within the campus and 1 shall be with AC for short trips beyond the campus for limited distances with 20% flexibility on the schedules and routes with E-Bus operational feasibility as per Annexure A.

The specification covers Design, Manufacture, Supply, Testing, Commissioning, and Maintenance of Fully Built electrically propelled Air-Conditioned (AC) and without- Air-Conditioned (AC) buses. The bus design shall be energy efficient, environmentally friendly, safe and secure for transportation of students and passengers besides the following main attributes amongst others:

- Passenger comfort
- Ergonomically designed driver's work area
- Ease of repair and maintenance
- Aesthetically designed interiors and exteriors
- Ease of boarding and alighting for all passengers
- Ease of accessibility to persons with disabilities with suitable mechanisms (with wheel chair access)
- Safety, reliability & durability

Special Terms and Conditions:

1. The Bidder shall comply with all applicable Central, State and local laws (including Acts, Rules & Regulations). These shall include, but not be limited to, the Disability Act 1995 as well as state and local accessibility, safety and security requirements.
2. The space for trial run installation and commissioning will be arranged by IIT Madras.
3. Commissioning to be deemed completed after all 5 E-Buses run continuously for 16 working weeks as per schedule and routes as per **Annexure A**.
4. The warranty for the buses shall be a part of the Comprehensive Annual Maintenance Contract (CAMC) and no payment other than that for CAMC will be made towards replacement or repair of parts.
5. The bidder should provide full details on the Power & Maintenance Infrastructure and related space for vehicles and IITM will arrange for the same at IITM cost.
6. OEM or authorised supplier of the OEM shall give the readiness of the specifications and schedule.
7. The supplier/OEM shall showcase the trial run of the E-Bus proposed to be supplied. The same will be evaluated by IIT Madras. If the E-Bus does not meet the required criteria, it needs to be modified to the satisfaction of IIT Madras. No payment will be made towards the trial run at IIT Madras campus.
8. IIT Madras has a right to reject the technical bids of the supplier, when the detail/s provided by the bidder is/are not meeting the required qualification criteria set by IIT Madras.
9. If any dimensional discrepancy with respect to drawing and specifications due to calculation/printing mistake/any error is observed, the same may be brought to the notice of IITM before opening of tender.
10. If any defect is observed during the warranty period, the supplier shall repair/replace the defective product as part of the CAMC without affecting operations in IITM as per enclosed Routes and Schedules in this **Appendix-A**.
11. The fabrication and delivery of ordered numbers of E-Buses shall be made in single/ multiple phases within the stipulated time.
12. Only the final finished product shall be brought to IITM. IITM will not provide any space for fabrication of the product.

14. The supplier/OEM shall ensure that the product is manufactured as per specifications and all the fittings/accessories used are of standard quality, wherever not specified.
15. On demand by IITM, any components/fixtures shall be supplied to IITM within three days for testing purposes as per the relevant Indian standards. The cost for the transportation, testing, etc., shall be borne by the supplier.
- 16. The delivery period includes the time for preparing the drawings, getting necessary approval from IIT Madras.**
17. Canvassing whether directly or indirectly, in connection with tender is strictly prohibited and the tenders of the tenderers who resort to canvassing will be liable to rejection.
18. Any damage that occurs during the delivery/trial run to any part of the item for any reasons due to rain, storm or neglect of the OEM/supplier shall be rectified by the OEM/supplier in an approved manner at no extra cost.
19. Upon issue of the purchase order the OEM/Supplier shall visit the site and take the actual site (road).
20. The body styling, specifications and colour of the E-Buses shall be as approved by IIT Madras, subject to regulatory compliance.
21. The buses must be capable of smoothly negotiating the speed breakers, road layout and turnings in the campus without any issues and damage.
22. Delivery shall be made according to the stipulations in the order. Goods will be accepted between 09.00 AM and 01.00 PM & 02.00 PM and 5.30PM on all working days (from Monday to Friday).
- 23. The permanent and temporary registration for the vehicle needs to be carried out by the OEM/supplier. IITM will provide the necessary documents.**

Comprehensive Annual Maintenance Contract (CAMC):

1. CAMC Period for 10 years from the date of completion of commissioning as per clause #3 above. The bidder should quote the CAMC rate only for the repairs and replacement of spares by excluding the Maintenance/Service for the warranty period and the actual CAMC rate should be quoted for 6th year onwards.
2. 1st half yearly payment in advance for the CAMC to be paid along with 10% of the IV Stage payment as per the tender condition of Sl. No. 5. Subsequent CAMC payments will be paid in advance at 6 month intervals against proforma invoice on half-yearly basis.
3. Uptime: 94% minimum against periodic schedules and routes provided and standard for aesthetic maintenance to be finalised at the time of signing CAMC.
4. Inclusions: Bumper to Bumper including battery. Spares should be available throughout the CAMC period through OEM or through authorised supplier of OEM.
5. IIT Madras will provide space, power and air at free of cost for the parking, charging, repair and maintenance of the e-Buses.
6. During the warranty period and the CAMC period, all spare parts are to be replaced by OEM or authorised supplier of OEM, in case of failures /damages of any kind, **free of cost as part of this CAMC. No other payment will be made towards insurance, damage, repair or replacement of parts- all are included in this comprehensive AMC.**
7. The cost of the CAMC during the warranty period should only include the maintenance charges since the spares will be provided under the warranty during this period. The parts that will be replaced free of cost under warranty and CAMC period and those that will not be covered under this, should be clearly indicated.
8. Should provide preventive maintenance and periodic check schedule and ensure compliance.

PRE-QUALIFICATION CRITERIA

बोलीदाता पात्रता मापदंड **Bidders Eligibility Criteria-I**

1. The bidder shall not be from a country sharing land border with India and if the bidder is from a country sharing land border with India the bidder should have been registered with the competent authority as per orders of DIPP OM No. F. No. 6/18/2019-PPD dated 23rd July 2020, and MoCI Order No. P-45021/112/2020-PP (BE II) (E-43780) dated 24th August 2020. A declaration as per format given in **Annexure – D** shall be submitted with the bid.
2. Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P45021/2/2017-PP (BE II) dated 16th September 2020 and other subsequent orders issued therein, shall be eligible to bid in this tender. Declaration for Class-I and Class-II local suppliers should be submitted in the prescribed proforma as per **Annexure-E**.

बोलीदाता पात्रता मापदंड **Bidder Eligibility Criteria-II**

1. The bidder nor any of its partner should have not been blacklisted / debarred /involved / convicted in any criminal case / economic offence nor any criminal case / economic offence is pending against firm or any partner of the Firm before any Court of Law / Police. A self-declaration format given in **Annexure – F**.
2. The bidder should be an OEM or authorized supplier of OEM. Necessary OEM certificate / OEM authorization letter for this particular tender should be submitted by the bidder as given in **Annexure-G**.
3. Certification from the Automotive Research Association of India (ARAI) as per Central Motor Vehicle Rule (CMVR) necessary document proof should be provided.
4. The bidder should have produced and delivered within India at least 5 Nos. of E-Buses on or before the 1st of December, 2022
5. The firm must have an aggregate financial turnover of at least Rs. 8 Crores in the last Three years i.e. 2019-20, 2020-21 and 2021-22 (financial statements/certificates issued by Chartered Accountant should be submitted as a proof).
6. The bidder should have supplied E-Buses at least one in the last five years (2017-18, 2018-19, 2019-2020, 2020-2021 & 2021-2022) to Central Government / Central PSU / Central Autonomous / reputed firms as detailed below:
 - i) Three (3) supplies each costing not less than Rs.4 Crores
(Or)
 - ii) Two (2) supplies each costing not less than Rs.6 Crores
(Or)
 - iii) One (1) supply costing not less than Rs.8 Crores

Copies of the documents listed below should be submitted as a proof for the above supply:

- a) Purchase Orders
 - b) Performance certificate. The past performance of the bidder will be verified with the previous customers whenever required.
7. The bidder should have local service centers in Chennai / within the range of 200 Kms. from IIT Madras Campus.
 8. Vendors will be called for a detailed presentation and the committee shall rate them for their technical capability/ additional features offered/ quality compliance / innovative & smart solutions offered, relevance to duty cycle and technical support for future R&D efforts, etc.

TECHNICAL SPECIFICATION:

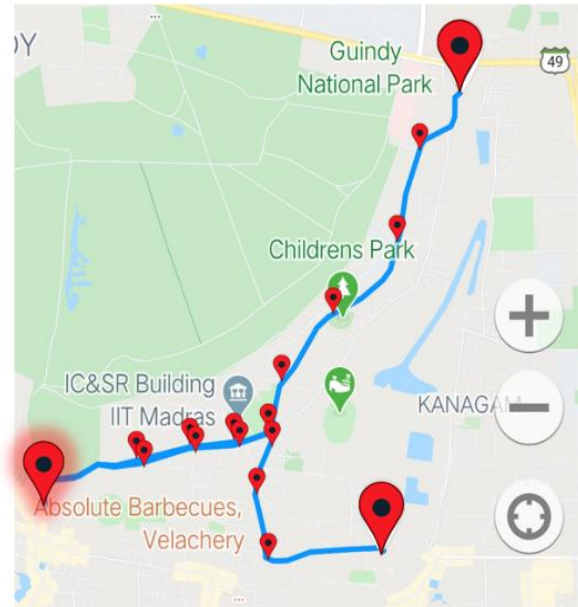
Sl.No	Item	Descriptions
I	E-Bus without AC - 4 Nos.	
1	Length of E-Buses	About 9 m
2	Width of E-Buses	Around 2500 mm
3	Floor Height	At most 900 mm or less preferred
4	Turning Circle Radius	9 m maximum
5	Number of seats and doors	The seat layout, specification and door layout will be jointly finalized after order issue. These have to meet the prevailing norms of the Government.
6	Lighting and other fitments	LED Head Lamps and plush interior LED lighting, Camera
7	Air conditioning	No
8	Battery Type	LTO (Lithium-Titanium-Oxide)
9	Battery Size	Not less than 32 kWh
10	Chargers	2 No's.
11	Guns per Charger	2 No's.
12	Homologation	College application
13	Training for drivers	To be provided by OEM to IITM drivers at free of cost prior to commissioning.
14	Power rating of the charger	Around 150 kW + 150 kW
15	Tool Box, Jack and Spare Tyre. will be provided in the bus at a suitable location	Minimum of 1 no. need to be provided
16	Comprehensive Annual Maintenance Contract	10 years including warranty period.

Sl.No	Item	Descriptions
II	E-Bus with AC - 1 No.	
1	Length of E-Buses	About 9 m
2	Width of E-Buses	Around 2500 mm
3	Floor Height	At most 900 mm or less preferred
4	Turning Circle Radius	9 m maximum
5	Number of seats and doors	The seat layout, specification and door layout will be jointly finalized after order issue. These have to meet the prevailing norms of the Government.
6	Lighting and other fitments	LED Head Lamps and plush interior LED lighting, Camera
7	Air conditioning	No
8	Battery Type	LTO (Lithium-Titanium-Oxide)
9	Battery Size	Not less than 64 kWh
10	Chargers	2 No's.
11	Guns per Charger	2 No's.
12	Homologation	College application
13	Training for drivers	To be provided by OEM to IITM drivers at free of cost prior to commissioning.
14	Power rating of the charger	Around 150 KW + 150 kW
15	Tool Box, Jack and Spare Tyre. will be provided in the bus at a suitable location	Minimum of 1 no. need to be provided
16	Comprehensive Annual Maintenance Contract	10 years including warranty period.

Schedule and Routes

- Number of routes = 2.
- Route: Main Gate → Velachery Gate → Hostel.
- Route Length:
5.72 km (one way) → 11.44 km (Roundtrip)
- Frequency: 15 minutes
- Round Trip Time: 60 minutes
- Number of round trips per shift per bus = 8.
- Number of working days/week = 7.
- Maximum Number of passengers travelling = 50

- Charger is installed near main gate



- One hour per round trip.
- No breaks between round trips.
- No break time between shifts.
- Break at Main Gate between round trips.
- 15 min frequency of buses.

From	To	Time
Main Gate	Velachery Gate	~13 min
Velachery Gate	Hostel	~11 min
Hostel	Velachery Gate	~11 min
Velachery Gate	Main Gate	~13 min
Break at Main Gate	-	~12 min
Total Round Trip Time		60 min

Schedule Requirements for Electric Bus:

- Break time for Flash Charging ~12 min after 2 round trips – 32.46 kwh

2. TECHNICAL SPECIFICATION:

Sl.No	Item	Descriptions	Compliance (Yes/No)	Page Ref.No.
1	E-Bus without AC - 4 Nos.			
1	Length of E-Buses	About 9 m		
2	Width of E-Buses	Around 2500 mm		
3	Floor Height	At most 900 mm or less preferred		
4	Turning Circle Radius	9 m maximum		
5	Number of seats and doors	The seat layout, specification and door layout will be jointly finalized after order issue. These have to meet the prevailing norms of the Government.		
6	Lighting and other fitments	LED Head Lamps and plush interior LED lighting, Camera		
7	Air conditioning	No		
8	Battery Type	LTO (Lithium-Titanium-Oxide)		
9	Battery Size	Not less than 32 kWh		
10	Chargers	2 No's.		
11	Guns per Charger	2 No's.		
12	Homologation	College bus application		
13	Training for drivers	To be provided by OEM to IITM drivers at free of cost prior to commissioning.		
14	Power rating of the charger	Around 150 kW + 150 kW		
15	Tool Box, Jack and Spare Tyre. will be provided in the bus at a suitable location	Minimum of 1 no. need to be provided		
16	Comprehensive Annual Maintenance Contract	10 years from the date of commissioning.		

Sl.No	Item	Descriptions	Compliance (Yes/No)	Page Ref.No.
	E-Bus with AC - 1 No.			
1	Length of E-Buses	About 9 m		
2	Width of E-Buses	Around 2500 mm		
3	Floor Height	At most 900 mm or less preferred		
4	Turning Circle Radius	9 m maximum		
5	Number of seats and doors	The seat layout, specification and door layout will be jointly finalized after order issue. These have to meet the prevailing norms of the Government.		
6	Lighting and other fitments	LED Head Lamps and plush interior LED lighting, Camera		
7	Air conditioning	No		
8	Battery Type	LTO (Lithium-Titanium-Oxide)		
9	Battery Size	Not less than 64 kWh		
10	Chargers	2 No's.		
11	Guns per Charger	2 No's.		
12	Homologation	College bus application		
13	Training for drivers	To be provided by OEM to IITM drivers at free of cost prior to commissioning.		
14	Power rating of the charger	Around 150 kW + 150 kW		
15	Tool Box, Jack and Spare Tyre. will be provided in the bus at a suitable location	Minimum of 1 no. need to be provided		
16	Comprehensive Annual Maintenance Contract	10 years from the date of commissioning.		

Place:

Date:

Signature of the Bidder
Name & Address of the Bidder with Office Stamp

SUPPLY OF E-BUS WITH AC AND WITHOUT-AC FOR STUDENT COMMUNITY AT IIT MADRAS

Tender No. IITM/SPS/E-Bus/022/2022-23/SPL

PROFORMA FOR FINANCIAL BID (BoQ)

Sl.No.	Item Description	Qty.	Unit Rate (in INR)	GST (in %)	Total Cost (with GST)
1	I: SUPPLY of E-Bus without AC , Chargers 2 Nos., Guns Per Charger 2 Nos., Tool Box, Jack and Spare Tyre – Minimum 1 No., etc., as per technical specification mentioned in Annexure-A	4 Nos.			
2	II: SUPPLY of E-Bus With AC , Chargers 2 Nos., Guns Per Charger 2 Nos., Tool Box, Jack and Spare Tyre – Minimum 1 No., etc., as per technical specification mentioned in Annexure-A	1 No.			
3	Comprehensive Annual Maintenance Contract for 10 Years(less warranty period) on yearly basis for E-Bus without AC	4 Nos			
4	Comprehensive Annual Maintenance Contract for 10 Years(less warranty period) on yearly basis for E-Bus with AC	1 No			
	Total Cost inclusive of all*				

NOTE:

* The rate should be inclusive of transportation, insurance, installation, commissioning & training etc.,

Place:**Signature of the Bidder****Date:****Name & Address of the Bidder with Office Stamp**

(To be given on the letter head of the bidder)

Tender No. IITM/SPS/E-Bus/022/2022-23/SPL

Dated:

CERTIFICATE

(Bidders from India)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that I am not from such a country.

OR (*whichever is applicable*)

(Bidders from Country which shares a land border with India)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that I from _____ (Name of Country) and has been registered with the Competent Authority. I also certify that I fulfil all the requirements in this regard and is eligible to be considered. (Copy/ evidence of valid registration by the Competent Authority is to be attached)

Place:

Signature of the Bidder

Date:

Name & Address of the Bidder with Office Stamp

FORMAT FOR AFFIDAVIT OF SELF-CERTIFICATION UNDER PUBLIC PROCUREMENT POLICY**(PREFERENCE TO MAKE IN INDIA) 2017****Tender No. IITM/SPS/E-Bus/022/2022-23/SPL**

Date: _____

I/We _____ S/o, D/o, W/o, _____

Resident

of _____ Hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Policy vide GoI Order no. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020) MOCI order No. 45021/2/2017-PP (BE II) Dt.16th September 2020 & P- 45021/102/2019-BE-II-Part(1) (E-50310) Dt.4th March 2021 and any subsequent modifications/Amendments, if any and That the local content for all inputs which constitute the said item/service/work has been verified by me and I am responsible for the correctness of the claims made therein.

Tick (✓) and Fill the Appropriate Category	
<input type="checkbox"/>	I/We _____ [name of the supplier] hereby confirm in respect of quoted items that Local Content is equal to or more than 50% and come under “Class-I Local Supplier” category.
<input type="checkbox"/>	I/We _____ [name of the supplier] hereby confirm in respect of quoted items that Local Content is equal to or more than 20% but less than 50% and come under “Class-II Local Supplier” category.

The details of the location (s) at which the local value addition is made and the proportionate value of local content in percentage

Percentage of Local content: %** .

Place of the local content value calculated: _____

For and on behalf of (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors)

<Insert Name, Designation and Contact No.>

[Note: In case of procurement for a value in excess of Rs. 10 Crores, the bidders shall provide this certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

This letter should be on the letterhead of the quoting firm and should be signed by competent authority.

** Services such as transportation, insurance, installation, commissioning, and training and after sales service support like CAMC/CMC cannot be claimed as local value addition

(To be given on the letter head of the bidder)

Self-Declaration that the Service Provider has not been Black listed

Tender No. IITM/SPS/E-Bus/022/2022-23/SPL

I S/o

R/o police station District Director

/ partner/ sole proprietor (Strike out whichever is not applicable) of

..... (Firm or Company) do hereby declare and solemnly affirm:

- I. That the Firm has not been Blacklisted or declared insolvent by any of the Union or State Government / Organization.
- II. That none of the individual / firm / Company Blacklisted or any partners or shareholder thereof has any connection directly or indirectly with or has any subsistence interest in the deponent business / firm company.
- III. That neither the Firm nor any of its partner has been involved / convicted in any criminal case / economic offence nor any criminal case / economic offence is pending against firm or any partner of the Firm before any Court of Law / Police.

Place:

Date:

Signature of the Bidder

Name & Address of the Bidder with Office Stamp

OEM CERTIFICATION FORM

(in Original Letter Head of OEM)

Tender No: Dated:

We are Original Equipment Manufacturers (OEM) of..... (Name of the company)

Ms..... (Name of the vendor) is one of our Distributors/Dealers/Resellers/Partners (tick one) for the and is participating in the above mentioned tender by offering our product model (Name of the product with model number).

..... is authorized to bid, sell and provide service support warranty for our product as mentioned above.

Name and Signature of the authorized

signatory of OEM along with

seal of the company with Date