



Tender Ref. No.:

NSIC/CHE/MCL/2019/03

TENDER DOCUMENT

for

Supply, Installation & Commissioning of Calibration Lab Equipments Under Modernization of Calibration Lab

The National Small Industries Corporation Limited

(A Government of India Enterprise)
Sector B-24, Guindy Industrial Estate,
Ekkaduthangal, Chennai-600 032.

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NOTICE INVITING TENDER

The National Small Industries Corporation Technical Services Centre Ltd. (NSIC-TSC), Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032 invites sealed tender in Two bid system (Technical & Commercial bid in two separate envelopes) from eligible and qualified Original Equipment Manufacturers (OEMs)/Authorized Distributors of OEMs/Authorized Dealers of OEMs for the Supply, Installation & Commissioning on site & Training on Operations of the supplied equipments, viz. Calibration Lab Equipments Under Modernization of Calibration Lab.

The details are summarized below: -

a)	Tender number	Reference number for inviting bids through this tender is NSIC/CHE/MCL/2019/03
b)	Eligible Bidder	Original Equipment Manufacturers (OEM)/Authorized Distributors of OEM/Authorized Dealers of OEM (as per the eligibility details placed in the tender at Para 2 of "Instructions to the Bidders").
c)	Purchaser	The NSIC-Technical Service Centre, (A Government of India Enterprise) which is one of the Technical Centre of National Small Industries Corporation.
d)	Usage of Equipment	The purchaser would place the equipment in their Admin Block/Training Centre and shall be utilized for imparting skill/entrepreneurship development training & rendering Calibration Services to MSME's/Industries of India.
e)	Scope of Tender	Supply, Installation, Commissioning & Training to officials.
f)	Specification/Details of equipment.	The detailed specifications of Calibration Equipments are specified in tender and placed at Annexure-A
g)	Web page for details of tender	Web page: http://www.nsic.co.in/tenders.asp The prospective bidders are advised to visit the website periodically for any update in respect of this tender. No separate advertisement/communication will be sent to the individual and/or parties.
h)	Address of supplies	The equipment(s) is/are proposed to be supplied at NSIC Technical Services Centres at Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032.
i)	Earnest Money Deposit (EMD) along with Tender	Interest free EMD of Rs. 15,00,000/- (Rupees Fifteen Lakhs Only) for NSIC Technical Services Centres at Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032, shall be submitted in the form of D.D. in favour of ' NSIC Ltd ' payable at Chennai and to be placed in the Technical Bid envelope while submitting the tender. Alternatively, EMD can be submitted through Online Banking Mode for which the details are given below in "Instructions to Bidders" section. UTR No. and date of the online banking transaction on letter head of the bidder is to be submitted in the Technical Bid envelope while submitting the tender.
j)	Exemption from the payment of EMD and Tender fee	The exemption for the payment of EMD as well as tender fee will be applicable under Rule 170 & 173 of General Financial Rules (GFR), 2017 for Micro & Small Enterprises (MSEs) as per the "Public Procurement Policy for Micro & Small Enterprises Order

		2012". To claim the exemption, self-certified copy of valid certificate/proof of registration for the goods for which this tender floated, must be enclosed with Technical Bid.
k)	Security Deposit	The successful bidder has to submit interest free security deposit amount to the value equalling to 10% (Ten percent) of the total value of order within five working days from the date of issue of purchase order by Purchaser.
l)	Cost of Tender Documents	The tender document can be collected from the office of the Chief General Manager, NSIC Technical Services Centre, Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032 in between the period from 4th September, 2019 to 4th October, 2019 (except Saturday & Sunday) between 10:30 hours to 15:45 hours against payment of Rs. 5,900/- (Rupees Five Thousand Nine Hundred Only) (Non-refundable, Inclusive of GST) by way of demand draft, in favour of ' NSIC Ltd ' payable at Chennai. Alternatively, tender form can be downloaded from our website www.nsic.co.in from 4th September, 2019 to 4th October, 2019 . In case the tender downloaded for submission of offer, the tender fee of Rs. 5,900/- in form of demand draft in favour of ' NSIC Ltd ' payable at Chennai shall be enclosed with Technical Bid of the tender while submitting the tender or through Online Banking for which details are given below in " Instructions to Bidders " section.
m)	Last date of submission of Bid	Tender must be delivered to the address below on or before 4th October, 2019 up to 16.00 hours. The bids received after the due date and time shall be rejected. The Chief General Manager, NSIC Technical Services Centre, Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032.
n)	Date of opening of Technical Bid (Envelope-1)	The technical bid for the tender shall be opened on 4th October, 2019 at 17:00 hours at the address as under: The Chief General Manager, NSIC Technical Services Centre Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032.
o)	Date of opening of Commercial Bid (Envelope-2)	The date for opening second envelope containing Commercial Bid will be intimated to the technically qualified bidders separately.

Note: In case of any further details required, the same can be collected from the office of the Chief General Manager, NSIC-Technical Services Centre, Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032 from **4th September, 2019 to 4th October, 2019** (except Saturday & Sunday) between 10:30 hours to 15:45 hours.

Chief General Manager
NSIC- Technical Services Centre
Sector B-24, Guindy Industrial Estate, Ekkaduthangal,
Chennai-600 032.

INSTRUCTIONS TO THE TENDERERS

The Tender shall be submitted in accordance with these instructions, as under.

1. Abbreviations:

Throughout this tender document, the word/ term:

- a) "NTSC" means NSIC-Technical Services Centre
- b) "NSIC" means The National Small Industries Corporation Ltd.
- c) "day" means Calendar day
- d) "working day" means Monday to Friday in week
- e) "tender" means tender number NSIC/CHE/MCL/2019/03
- f) "Equipment" means the equipments/software/accessories as detailed at Annexure-A.
- g) If context so requires, "singular" means "plural" and vice versa.
- h) "EMD" means Earnest Money Deposit.
- i) "Purchaser" means The National Small Industries Corporation Ltd
- j) "Bid" means the document and financial details submitted by bidder in response to this tender.
- k) "Bidder" means the eligible and qualified bidder i.e. Original Equipment Manufacturers / Authorized Distributors/ Authorized Dealers.
- l) "OEM" means Original Equipment Manufacturer.

2. Eligible Bidder:

- a) The intending Bidder, in case of Original Equipment manufacturers shall submit a self-declaration on their letter-head, along with the Technical Bid, confirming that they are regular in manufacturing & supplying the similar equipments, as asked in this tender, for the last Ten (10) years.
- b) The original equipment manufacturers shall possess ISO Certificate for their establishment. The copy of the valid ISO Certificate shall be placed with the Technical Bid.
- c) The intending Bidder, in case of Authorized Distributor of OEM / Authorized Dealer of OEM shall possess valid authorized Distributorship / Dealership license from Original Equipment Manufacturer and to be engaged in regular supply of similar equipments for the last ten (10) years. The OEM shall have ISO certificate. Also the authorised Distributor/Dealer shall be associated with OEM on the basis of which the said tender is participating, for the last three years. The Bidder shall enclose the copies to substantiate their engagement in supplies for the equipments/ equipment for which the above said tender is being issued, for the last ten years and associated with OEM for the last three years. The copy of the same should be enclosed in Technical bid while submitting the bid.

- d) The intending bidder has never made any default in supplying the machine/equipment to Government / Semi Government/ Central or State Public sector enterprise(s) for any reasons in the last five years.

3. Scope of Supplies:

- a) The material shall be supplied in compliance to the specifications mentioned in Annexure- A of the tender document.
- b) **The specifications of the equipment as mentioned in the Annexure-A are the minimum requirements of tender, however higher specifications of equipment may be considered subject to their cost economics i.e. competitiveness in financial terms for the address(es) of supply.**
- c) After the supply of equipment by the successful bidder as mentioned in the Annexure A, the successful bidder has to execute its installation & commissioning in the designated site(s) at the address. No extra cost shall be paid for this purpose.
- d) After the installation & commissioning of equipment i.e. calibration Lab Equipments, the training to the local trainers shall be given for ten (10) working days wherein the training about the equipment's operations, maintenance, information about Do's & Don'ts as well as trouble shooting & all other areas which are necessary for smooth functioning of equipment shall be provided to the persons designated by purchaser, at site, by the successful bidder. No extra cost shall be paid to the successful bidder for imparting this training.
- e) The successful bidder shall give on-site comprehensive warranty of equipment for minimum one year from the date of successful commissioning of equipment at the designated address. The purchaser is not liable to pay any extra charges on any account during warranty period.
- f) The purchaser shall inform the colour code of the equipment to be supplied against the above order while issuing the purchase order and bidder has to comply.

4. Address of supplies:

- a) The details of Address where the equipment(s) supplied through this tender are as under:

#	Location	Address for supplies
1	Chennai	Office of the Chief General Manager, NSIC Technical Services Centre, Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032.

- b) The bidder is free to inspect the Address(s) in the premises before submitting the bid under this tender.

5. Special Provision for Micro & Small Enterprises:-

Micro and Small Enterprises (MSEs) participating in the tender will be given benefit as per Public Procurement Policy, 2012. Further, the MSEs owned by SC/ST/Women entrepreneurs will also be given benefits as per Public Procurement Policy, 2012. The definition of MSEs owned by SC/ST/Women is as given under:

- a) In case of proprietary MSE. Proprietor shall be SC/ST/Women
- b) In case of partnership MSE, the SC/ST/Women partners shall be holding at least 51% shares in the unit
- c) In case of Private Limited Companies, at least 51% share shall be held by SC/ST promoters.

Document to claim benefits shall be enclosed in Technical Bid.

6. Delivery

- a) The purchaser interested for complete delivery of equipment by the Successful bidder within One Hundred & Twenty (120) calendar days from the date of issue of supply order at the designated address(es). However, the bidders have an option to submit the best delivery time while submitting the Technical Bid, but in any case, the delivery should be before 120 days from the date of issue of supply order by purchaser.
- b) The equipment shall be inspected by the purchaser, on receipt at site and successful bidder shall be responsible for any damage during the transit of equipment. The Purchaser shall not be responsible for any damage due to any reason during the transportation of equipment to the designated site of the purchaser.
- c) The successful bidder shall not be allowed for part shipments and/or trans-shipments without the permission of purchaser. The insurance cover including insuring the equipment against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery/ Installation & Commissioning, shall be obtained by the bidder in his own name and not in the name of purchaser. The purchaser will as soon as possible but within 30 days from the date of arrival of equipment at destination notify the bidder of any loss or damage to the equipment.

7. Comprehensive Warranty

- a) The successful bidder shall offer on-site comprehensive warranty of equipment for one year from the date of successful commissioning of equipment at the designated address & shall cover each and every part of the equipment including parts having limited life etc. The purchaser is not liable to pay any extra charges on any account during warranty period.
- b) Any part or parts fail or proved defective within the on-site warranty period specified above, owing to defect in design, material or workmanship, the bidder shall have to replace them with original spares only without asking for any charges.

- c) The successful bidder shall have to visit the address at which the equipment supplied once in a quarter as a "Preventive maintenance service" to check the working of hardware & software of equipment, associate systems, efficiency of operational areas etc., during the warranty period.
- d) During the warranty period, expert(s) shall be deputed at site by the successful bidder within two working days from the date of request from purchaser, to rectify and fix the defects/ malfunctioning of equipment, within next three working days, at the location where equipment (s) are supplied. The cost of deputation of expert(s) and any other associated expenditure to attend the rectification/ fixing of fault, shall be borne by the bidder.
- e) In case the successful bidder is not able to rectify the fault and / or fails to rectify the fault within the period of three days, the Purchaser has right to demand for demurrages because of loss to purchaser due to "under repair" situation for the equipment.

8. After Sales Services

- a) The successful bidder shall ensure to render after sales services during the warranty period to the satisfaction of purchaser.
- b) The successful bidder will depute their engineer within two working days to attend the service call received in writing from purchaser during the comprehensive warranty period .

9. Manuals:

The bidder to supply three (03) sets of the following manuals in hard format and one (01) soft format along with equipment:

- i. Installation Manual
- ii. Operation Manual
- iii. Maintenance Manual
- iv. Training Manual

10. Tender documents:

- a) The tender document can be collected from the office of the Chief General Manager, NSIC-Technical Services Centre, Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032 in between the period from **4th September, 2019 to 4th October, 2019** (except Saturday & Sunday) between 10:30 hours to 15:45 hours against payment of Rs. 5,900/- (Rupees Five Thousand Nine Hundred only) (Non-refundable, inclusive of GST) by way of demand draft, in favour of '**NSIC Ltd**' payable at Chennai.

Alternatively tender form can be downloaded from our website www.nsic.co.in from **4th September, 2019 to 4th October, 2019**. In case the tender downloaded for submission of offer, the tender fee of Rs. 5,900/- in form of demand draft in favour of '**NSIC Ltd**' payable at Chennai shall be enclosed with Technical Bid of the tender while submitting the tender.

The other option is to pay Rs. 5,900/- by RTGS/NEFT to the bank of purchaser as detailed under:

ACCOUNT NAME	BANK NAME	BANK A/C NO.	BANK IFSC CODE
NSIC Ltd	PUNJAB NATIONAL BANK, EKKADUTHANGAL BRANCH	6570002100004827	PUNB0657000

The bidder is requested to attach the UTR No. / Bank Statement / RTGS Slip in the Technical Bid, to prove the transfer of payment to the purchaser's Account.

- b) At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addendum/ corrigendum. The prospective bidders are advised to remain in touch with the Website for any update in respect of this tender.

11. Authorization for Submission of Tender:

- a) The original and all copies of the bid shall be signed and stamped, on every page, by a person duly authorized to sign on behalf of the Bidder. The written confirmation of authorization (in form of letter on the bidder's letter head) to sign on behalf of the bidder confirming the signature as a person duly authorized to sign should be attached with the technical bid of the tender.

b) The person signing the tender document or any other documents on behalf of the Bidder shall be deemed to warrant that he has authority to bind the Bidder. If it subsequently comes to light that the person so signed had no authority to do so, the purchaser may without prejudice to any, consider civil & criminal remedies cancel the tender and hold the Bidder liable for all costs, charges and damages.

12. Earnest Money & Tender Fees Deposit:

- a) The EMD shall be submitted in the first envelope super-scribed as "Technical Bid", of prescribed amount by way of Demand Draft drawn in favour of "NSIC Ltd", or online banking mode, only for the Equipment(s) quoted by the Bidder. No cash towards EMD shall be accepted. The bids without EMD from the Bidders shall be rejected.
- b) In case tender documents downloaded from website, Tender Fee of Rs. 5,900/- shall be submitted by way of D.D. drawn in favour of 'NSIC Ltd' along with the Technical Bid of the tender documents. Tender fee is non-refundable. The option for payment by RTGS/NEFT is also available and bank details of purchaser, are as under:

ACCOUNT NAME	BANK NAME	BANK A/C NO.	BANK IFSC CODE
NSIC LTD	PUNJAB NATIONAL BANK, EKKADUTHANGAL BRANCH	6570002100004827	PUNB0657000

The bidder is requested to attach the UTR No. /Bank Statement / RTGS Slip in the Technical Bid, to prove the transfer of payment to the purchaser's Account.

- c) **The exemption for the payment of EMD as well as tender fee will be applicable under Rule 170 & 173 of General Financial Rules (GFR), 2017 for Micro & Small Enterprises (MSEs) as per the "Public Procurement Policy for Micro & Small Enterprises Order 2012". To claim the exemption, self-certified copy of valid certificate/proof of registration for the goods for which this tender floated, must be enclosed with Technical Bid.**
- d) The Purchaser shall not be liable for payment of any interest on EMD/Tender fees.
- e) Any request by the bidders to consider their EMD already furnished by them to any of the other office of the purchaser, for any other contract/ tender will not be considered as EMD for this tender.
- f) The EMD will be returned to the unsuccessful bidders within 30 days after the orders are placed on the successful bidder. In case of successful bidder, the EMD will be released along with 20% payment schedule, as per payment terms mentioned at Para 28 of "Instructions to the Bidders".

13. Security Deposit:

- a) The successful bidder shall submit interest free security deposit amount to the value equalling to 10% (ten percent) of the total value of order which includes basic price + GST, within five working days from the date of issue of purchase order by the purchaser for supply by successful bidder.
- b) The security deposit will be returned to the successful bidder along with 20% payment schedule, as per payment terms mentioned at Para 28 of "Instructions to the Bidders".

14. Submission of Bid:

- a) The prospective bidders should examine all instructions, forms, terms and specifications in the tender documents and to furnish with its bid all documents or information as required by bidding/ tender document.
- b) The language for all the correspondence and documents related to this tender shall be in English/ Hindi only. Moreover, the printed literature/technical details for the equipment shall also be in English/ Hindi.
- c) The bid must be placed in a properly sealed bigger envelope addressed to The Chief General Manager, NSIC-Technical Services Centre, Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032 and the said bigger envelope shall contain two sealed envelopes, each containing, Technical & Commercial bids, respectively. The bigger envelope must be super-scribed "Tender for Supply, Installation & Commissioning of Calibration Lab Equipments Under Modernization of Calibration Lab" with tender inquiry number and its due date. The two sealed envelopes inside the bigger envelope must be super-scribed as:

Envelope No-1: The said envelope is for technical bid & shall be super-scribed as "Tender for Supply, Installation & Commissioning of Calibration Lab Equipments under Modernization of Calibration Lab-Technical Bid".

Envelope No-2: The said envelope is for commercial bid & shall be super-scribed as "Tender for Supply, Installation & Commissioning of Calibration Lab Equipments under Modernization of Calibration Lab -Commercial Bid".

- d) If both or either of the envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.
- e) All the columns of the tender document/form shall be duly, properly and exhaustively filled in. Any cutting/over writing etc. in the tender document/form must be signed by the person who is signing the tender/bid.
- f) Tenders received in open covers/ letters/ fax/ email will not be considered.

15. Commercial Bid Submission:

- a) Bidder shall take into account all costs including Packing, Freight, Transportation, Insurance Cost including unloading of Equipment at the address of the purchaser for giving delivery of equipment at site as detailed at Para 4 of "Instructions to the Bidder" before quoting the "Price of Equipments before GST" in the Commercial Bid.
- b) The "Price of Equipment before GST" shall remain firm & inclusive of all costs involved for the delivery to the destination(s) including the cost mentioned in Para 15(a) as above, also include the cost of Installation & Commissioning at destination, Training to the local trainers (as detailed at Para 3(c & d) of "Scope of Supplies" of this tender), Cost of services to be provided during Comprehensive Warranty of one year. (Refer Para 3(e) of "Scope of Supplies" of this tender).
- c) **No extra payment or revision of "Price of Equipment before GST" shall be accepted on account of any discrepancy in nomenclature of items. The prospective bidders are advised to seek clarification, if any, desired before submitting the bid.**
- d) No representation for the revision of the quoted "Price of Equipment before GST" shall be considered till the supplies are completed to the designated location(s).

16. Last date of submission of Bid:

- a) **The bid should reach the office of The Chief General Manager, NSIC- Technical Services Centre, Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032 by 4th October 2019 upto 15.45 Hours.**
- b) **The purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Tender Documents, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended. The prospective bidders are advised to remain in touch with website for any update in respect of their tender.**

- c) The purchaser shall not consider any bid that arrives after the deadline for submission of bids. Any bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected and returned unopened to the Bidder.

17. Rights of Purchaser:

- a) It may be noted that The Chief General Manager, NSIC-Technical Services Centre (Tender issue authority), without assigning any reason whatsoever, reserves the right to cancel the procurement even after calling the offers from bidders but before the issue of supply order to execute the supply by the successful bidder. The reason for cancellation of supply would not be disclosed and the bidder has no right to ask for so.
- b) The Purchaser reserves the right to accept or reject any bid, without assigning any reason, thereof, and to annul the bidding process and reject all bids at any time prior to supply order, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically Bid document, EMD deposits shall be returned to the Bidders.

18. Opening of Technical Bid:

- a) The technical bid of tenders will be opened at the office of The Chief General Manager, NSIC-Technical Services Centre, Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032 on 4th October 2019 upto 17.00 Hours. The Bidder or their authorized representative (One person only) may be present at the time of opening of the Bid.

19. Opening of Commercial Bid:

- a) The Commercial Bid of only technically qualified bidders will be opened on the stipulated due date. The date & time for opening of Commercial Bid shall be intimated to the technically qualified bidders through email, after the evaluation of Technical Bid.

20. Validity of Tender:

- a) The tender shall be valid for a period of 120 days from the date of opening of the Technical Bid of tender. Terms and financial details submitted in the bid shall be treated as firm during the said period of 120 days.
- b) In exceptional circumstances, prior to the expiry of the bid validity period, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing.

21. Evaluation of Bids:

- a) If there is discrepancy between the amount quoted in Commercial Bid in the column "Unit Price of Equipment before GST" and the amount reflected in column "Total price of Equipment(s) before GST" which is the multiplication of quantity offered for supplies with "Unit Price of Equipment before GST", the "Unit Price of Equipment before GST" shall prevail. Accordingly, the Total price of Equipments before GST shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected.

- b) If there is an error in a total corresponding to the addition or subtraction of sub totals, the subtotals shall prevail and the total shall be corrected; and
- c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
- d) To assist in the examination, evaluation, comparison of the bids and qualification of the Bidders, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing only.
- e) If the Bidder does not provide clarifications of its bid by the date and time set in the Purchaser's request for clarification, its bid shall be rejected.
- f) The Purchaser shall compare the "Unit Price of Equipment before GST" of all the responsive bids to determine the lowest bid for a particular address.
- g) The bidder shall note that they are not supposed to put any GST amount in the Commercial Bid. However, after the supplies, they have to issue the GST invoice indicating the Price of Equipment as quoted in the Commercial Offer and thereafter specify the GST as applicable at the time of delivery. The Purchaser shall pay total amount which includes the unit price of Equipment as well as the GST as applicable at the time of delivery.
- h) The Purchaser is authorized to ask the evidence from bidder to counter-check that the GST as claimed by the bidder at the time of issue of invoice after the supply of Equipments.

22. Earnest Money Forfeit:

- a) If any Bidder withdraws his bid/tender before the period of 90 days from the date opening of technical bid or makes any modifications in the terms and the conditions of the tender which are not acceptable to the purchaser, then the purchaser shall, without prejudice to any other rights or remedy, be at liberty to forfeit the EMD.
- b) The EMD will also be forfeited in following cases:
 - i. If the successful bidder fails to accept, the supply order issued, based on his/her offer (bid) within the prescribed time.
 - ii. If the successful bidder fails to supply the Equipments with specifications as mentioned in Annexure –A
 - iii. If the successful bidder delays supplies/Machines/equipment beyond a reasonable time resulting in disruption of project.
 - iv. Successful Bidder for any reason whatsoever withdraws the tender after it is accepted or become unable or fails to execute the supply orders within stipulated delivery period.
 - v. Submission of misleading/contradictory/false statement or information and fabricated/invalid documents is detected before or after the issue of order to execute the supplies.
 - vi. The successful bidder does not submit Indemnity Bond within the prescribed time.

- vii. The successful bidder does not submit the security deposit within the time.

23. Security Deposit Forfeit:

The security deposit will also be forfeited in following cases:

- i. If the bidder fails to accept, the supply order issued, based on his/her offer (bid) within the prescribed time.
- ii. If the bidder fails to supply the Equipments with specifications as mentioned in Annexure –A
- iii. If the bidder delays supplies/ machines/ equipment beyond a reasonable time resulting in disruption of project.
- iv. Successful Bidder for any reason whatsoever withdraws the tender after it is accepted or become unable or fails to execute the supply orders within stipulated delivery period.
- v. Submission of misleading/contradictory/false statement or information and fabricated/invalid documents is detected before or after the issue of order to execute the supplies.

24. Notification of Award:

Prior to the expiry of the period of bid validity, the purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted. The notification letter shall specify the sum that the Purchaser will pay to the bidder in consideration of the supply of Equipments with the details of selected location(s)/Address(es).

25. Pre-dispatch Inspection:

- a) A pre-dispatch inspection by 3rd party/ technical team of purchaser may be carried out at bidder's site of manufacturing equipments. This pre-dispatch inspection will not absolve bidder's responsibility to execute supply in accordance with the tender terms.
- b) In case during inspection by the inspection team of purchaser find some areas needs to be attended by bidder and/or test reports asked, the successful bidder has to complete the findings of inspection team within 10 days & confirm in writing to purchaser. If need be the re-inspection would be carried out at the cost & expenses of the successful bidder.

26. Packing:

- a) The successful bidder shall provide packing of the equipment, as is required to prevent their damages or deterioration during the transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit. In case the consignment of equipment received with damaged packaging, the purchaser shall not accept the delivery of the same.
- b) The equipment shall be securely boxed, crated and protected from mechanical damage, moisture etc. suitable for both storage and transit according to the nature of the material and mode of transport. The bidder shall be responsible for any loss/ damage to material during transportation to the designated address.

27. Delivery Time:

- a) The bidder shall indicate the period within which the ordered quantity will be supplied. The bidder shall note that in case bidder fails to supply within the period of delivery indicated by the bidder in technical bid of this tender, penalty @2% of value of the order per week of delay would be levied subject to maximum 4 weeks. It means, the bidder shall have the liability of delayed supply to the maximum of 4 weeks after expiry of scheduled delivery date. After that the supply order shall be cancelled and EMD will be forfeited and bidder will be debarred from participation in any future tenders. Also purchaser reserves the right to ask for demurrages even after adjustment of EMD & security deposit from the bidder because of delay in supplies, as agreed.
- b) The successful Bidder shall, within a week from the date of receipt of communication of acceptance of quotes from purchaser shall intimate his acceptance of the order. The successful bidder shall complete supplies strictly as per the accepted delivery period.
- c) The post-delivery activities i.e. Installation, Commissioning, Training to Trainers etc. shall be started within 7 days from the date of receipt of equipments at site by the purchaser.

28. Payment:

- a) The 70% payment of total bill will be made by the purchaser by crossed account payee cheque/RTGS/NEFT for which the bidder shall send bills in duplicate (original + copy) after Supply, Installation & Commissioning of equipment, giving the reference number of the purchase order along with copies of delivery note & satisfactory report on the Installation of equipment(s), from designated purchaser department. The details about the designated purchaser department who is authorized to take the delivery of equipment(s) shall be informed to the successful bidder through the supply order placed for the supply of equipment(s).
- b) The 20% payment of total bill along with interest free EMD and Security Deposit will be released to successful bidder after one month from the date of completion of training to trainers at site and on submission of Indemnity Bond by the successful bidder for rendering services during warranty period.
- c) The remaining 10% payment will be retained and shall be released against submission of Performance Bank Guarantee, issued by Nationalised Bank, by the successful bidder of equal value of 10% with validity of one year from the date of commissioning and completion of training of trainers, whichever is later.

29. Causes of Rejection of Tender:

- a) While submitting the bid, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the bid shall be rejected.
- b) If any Bidder stipulates any condition of his own, such conditional Bid shall be liable to be rejected.

30. Claims:

- a) If the equipment supplied are found to be of size and shape different than those in the accepted offer and are of specifications lower than those stipulated in the accepted offer, the purchaser shall have right to totally reject the equipment and/or to claim for compensation from successful bidder. The successful bidder shall pay to purchaser, the claim demanded in writing within 15 (fifteen) days of its demand. The bidder shall also compensate for losses, if any, sustained by purchaser due to lower specification/defective packing and/or wrong marking of the equipment, etc.
- b) The successful bidder shall be responsible for arranging the rejected equipment to be removed at his cost from purchaser premises.

31. Address for communication:

All the communication with respect to the tender shall be addressed to:

The office of the Chief General Manager,
NSIC- Technical Services Centre,
Sector B-24, Guindy Industrial Estate,
Ekkaduthangal, Chennai-600 032.

32. Force Majeure:

In the event of any unforeseen circumstances directly interfering with the supply of machines/equipments/work/service arising during the execution of order such as war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, floods, earthquakes, explosions, epidemics, quarantine restrictions, strikes, lockouts, or acts of God, the successful Bidder shall, within 7 working days, from the commencement thereof, notify the same in writing to the Purchaser with reasonable evidence thereof. Either party shall have the option to terminate the contract on expiry of 90 days of commencement of such force majeure by giving 14 days "notice to the other party in writing. In case of such termination, no damages shall be claimed by either party against the other.

33. Code of Ethics:

The Purchaser as well as the Bidder shall observe the highest standard of ethics including laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988", during the procurement or execution of such contracts. If the bidders are found in Bid pooling, cartelisation or against law on fraud and corruption then their firms may be blacklisted.

34. Jurisdiction:

In the event of any dispute, the legal matter shall be subjected to the jurisdiction of Chennai Court only.

We confirm with our acceptance to the instructions (S.No. 1 to 34 above) as given above.

BIDDER'S NAME & SIGNATURE WITH SEAL

These duly signed pages of "Instructions to the Tenderers" as above shall be attached with technical bid of the tender as a mark of acceptance of bidder and any tender not confirming the instructions as above, is liable to be rejected.

ANNEXURE-A

Details of requirements and technical specifications of equipment**1) Reference Multimeter 8.5 Digits and accessories**

Sl. No.	Parameter	Specifications
A	Reference Multimeter 8.5 Digits	
	Quantity : 1 No.	
1	Measurement Parameters:	
1.1	DC Voltage:	
	Range	200mV to 1000V or better
	Resolution (best)	1nV with 8 ½ digits or better
	Uncertainty (1 Year)	±4 to 6ppm or better; at 10V ±4ppm or better;
1.2	AC Voltage:	
	Range	200mV to 1000V or better
	Frequency Range	10Hz to 1MHz or better
	Resolution (best)	100nV or better
	Uncertainty (1 Year)	±100 to 140 ppm or better
1.3	DC Current:	
	Range	200µA to 20A better
	Resolution (best)	10pA or better
	Uncertainty (1 Year)	±15 to 400ppm or better
1.4	AC Current:	
	Range	200µA to 20A or better
	Frequency Range	10Hz to 20kHz or better
	Resolution (best)	100pA or better
	Uncertainty (1 Year)	±500 to 1000ppm at 1kHz or better
1.5	Resistance:	
	Range	2Ω to 20GΩ or better
	Resolution (best)	10nΩ or better
	Uncertainty (1 Year)	±10 to 2500ppm or better

Sl. No.	Parameter	Tender Specs
1.6	Other Functions	
	Measurement Display	Voltage Ratio (up to 1000 V & Resistance Ratio, Frequency should be available
1	Mains Power	230V AC $\pm 10\%$, 50Hz
2	Operating Environment	Operating Temperature range: 15 to 35°C
3	Remote Programming	IEEE-488 & RS232 interface
4	Accessories	All types of required Cables / Leads / Connectors etc
5	Manual	Operating Manual (hard copy)
B	Lead sets	
	Lead sets to be high quality, low leakage, low dielectric absorption PTFE insulated cables, terminated with gold plated copper spade terminals and general-purpose leads.	
C	Calibration Kit	
	Calibration Kit lead set, 1 G Ω standard resistor and four-wire shorting PCBs for performance verification and calibration adjustment of the reference multimeter.	
D	Digital Thermometer-Hygrometer for Room Temperature monitoring	
Sl. No.	Parameter	Specifications
1	Operating Range	0 °C to 50 °C (32 °F to 122 °F); 0 % RH to 100 % RH
2	Calibrated Temperature Accuracy	± 0.125 °C from 16 °C to 24 °C (± 0.225 °F from 60.8 °F to 75.2 °F)
3	Calibrated RH Accuracy ("H" Model)	± 1.5 % RH from 20 % RH to 70 % RH
4	Expected Extrapolated Performance (Uncertified)	± 0.5 °C (± 0.9 °F) outside calibrated range ± 3 % RH outside calibrated range
5	Temperature and RH Resolution	User selectable up to 0.001 °C/°F on front-panel display (0.01° recorded) User selectable up to 0.01 % on front-panel display (0.1 % recorded)
6	Display	Graphics LCD, displays password-protected temperature/humidity data graphically, numerically, and statistically
7	Memory	Min 250,000 typical individual date/time-stamped Readings
8	Alarms	Password-protected visual, audible, and external alarms for temperature, temperature rate, RH, RH rate, and fault conditions.
9	Connectivity	Computer interface should be provided
10	Mounting	Wall mounted (hardware included) or set on a bench top
11	Power	12 V dc from external 100 to 240 V dc power supply
12	Battery Backup	Standard 9 V battery to enable continued measuring during power disruptions

2) AC Measurement Standard and accessories

A AC Measurement Standard			
	Quantity	01 No.	
S/N		Specification	
1	Voltage Range	700 μ V to 1000 V in various ranges	
	Current Range	Up to 20A with current Shunts	
2	Frequency Response	10 Hz to 1MHz	
	Absolute Uncertainty (including stability, temperature co-efficient & linearity):-		
	Voltage Range	Frequency	Absolute Uncertainty In measurement mode (1 year)
I	2.2 mV	10 Hz to1 MHz	0.042 % to 0.35 %
ii	2.2 V	10 Hz to 1 MHz	0.0024 % to 0.09 %
iii	1000 V	10 Hz to 100 KHz	0.0038 % to 0.05 %
	General characteristics		
	Descriptions	Specification	
1	Warm up time	30 minutes	
2	Operating Temp.	0 to 50 Deg. C	
3	EMI/RFI	Instrument should comply with FCC part 15 subpart B, class B,EN50081-1,EN50082-1	
4	Safety	Instrument should be designed to comply with UL 3111,EN61010,CSA C22.2 No 1010,ANSI/ISI S82.01-1994	
5	Interface	IEEE 488, RS 232	
	Accessories : Leads and Connectors		
B	Double banana connectors: This lead permits connecting the shunt connectors to AC Measurement Device. Using leads permits connecting the shunt's voltage output to a voltage measuring instrument and also connecting the shunt's current input to a UUT current source rated 20 A or less.		
C	N male to N male lead: This lead permits connecting the shunt's output connector to an AB measurement device with a female N-type input connector.		
D	RLC Meter		
	Quantity	01 No.	
	Range:	C: 1nF to 10mF , Basic Accuracy 0.1%	
		L: 10 μ H to 10mH	
		Basic Accuracy 0.1%	
E	Timer/Frequency Counter		
	Quantity	01 No.	
	Range:	Fre. Range : 0.01 Hz to 3 GHz Accuracy: 5×10^{-8} High-stability Oven Time	

3) Reference Divider and accessories

A Reference Divider						
Quantity : 01 No.						
1	These specifications apply for the lifetime of the instrument over the temperature range of 18 °C to 28 °C.					
2	Ratio uncertainty	This may be calibrated and operated in the normal temperature range of 18 °C to 28 °C. The following table describes the ratio uncertainty that applies for a temperature variation of less than ± 1 °C from the calibration temperature for up to eight hours following calibration				
	Range	Input Voltage	Ratio Uncertainty	Null Uncertainty*		
	10:01 Ratio	100 V	0.2 ppm	$\pm 0.5 \mu\text{V}$		
	100:1 Ratio	1000 V	0.5 ppm	$\pm 1.0 \mu\text{V}$		
3	Temperature coefficient of ratio		$< \pm 1$ ppm/°C over the entire operating range. Typical performance from 15 °C to 30 °C should be 0.1 ppm/°C.			
4	Input resistance		10:1 ratio: 380 k Ω ± 1 % 100:1 ratio: Divider 4 M Ω Driver Guard 4 M Ω Total 2 M Ω ± 1 %			
5	Maximum input voltage		10:1 ratio: 200 V. This specification applies to the safety of the unit only. The maximum voltage for best accuracy is 100 V.			
B Resistance Standards						
Quantity				1 No. each (Total 6 Nos)		
	Nominal Value (Ohms)	Deviation from Nominal Value (Ohms)	Stability 12months (ppm)	Calibration Uncertainty 23deg C.	Maximum Voltage (volts)	Quantity
	1	17	8	1	0.5	1 No.
	10	17	8	1	1.0	1 No
	100	13	6	1	2.0	1 No
	1.0k	14	6	1.5	10.0	1 No
	10.0k	9	4	1	30.0	1 No
	1.0M	21	8	5	100.0	1 No
	Operating temperature range:		18°C to 28°C			
	Storage temperature		0°C to 40°C			
	Retrace error (hysteresis):		23°C to 18°C to 23°C cycle			

4) Precision Current Shunts

General	Should have 1-year absolute accuracy specification stated at k=2, approximately 95 % confidence for the calibrated value. The specifications should include 1-year stability, temperature effects over TCal ± 1 °C, and the measurement uncertainty of the calibrated value.				
	Shunt Nominal Current:	DC	1 kHz	100 kHz	Quantity
	10 mA	20	26	26	1 No
	20 mA	20	26	26	1 No
	100 mA	20	24	24	1 No
	2:A	21	27	48	1 No
	10: A	26	37	92	1 No
	20: A	26	43	113	1 No

5. High Performance Multifunction Calibrator and accessories

A	High Performance Multifunction Calibrator	Quantity : 1 No.
Sl. No.	Description	Specs Requirement
1.	DC Voltage	
a)	Range	0 to $\pm 1100V$
b)	Best Absolute Accuracy	± 3.5 ppm or better (One year, 95% confidence level)
2	AC Voltage	
a)	Range	220 mV to 1100 V
b)	Best Absolute Accuracy	± 42 ppm or better (One year, 95% confidence level)
c)	Frequency Range	10Hz to 1MHz or better
3	DC Current	
a)	Range	0 \pm 2.2 A
b)	Best Absolute Accuracy	± 35 ppm or better (One year, 95% confidence level)
4	AC Current	
a)	Range	9 μA to 2.2 A
b)	Best Absolute Accuracy	± 103 ppm or better (One year, 95% confidence level)
c)	Frequency Range	10Hz to 10 KHz or better
5	Resistance	
a)	Range	0 to 100MΩ
b)	Best Absolute Accuracy	± 6.5ppm or better (One year, 95% confidence level)
6.	Display and other features	
	6.5" VGA touch screen full color display and soft keys	
	Visual Connection Management output terminals for test lead connection guidance and safety	
7.	Capable to calibrate high precision /resolution multimeters etc.	
8.	Interfaces : USB , Ethernet, RS-232, and GPIB (IEEE-488)	
9	Automatic power mains sensing (Soft Power) Power supply : 230 VAC $\pm 10\%$, 50 Hz $\pm 10\%$	
10	EMC -IEC 61326-1: Controlled	

11.	Safety: IEC 61010-1: CAT II, 300 V Pollution Degree 2	
B	Accessories : Cables & Leads	
	a) Low Thermal EMF Cables with Banana Plugs	Quantity : 1 Set
	b) Low Thermal EMF Cables with Spade Connectors	Quantity : 1 set
C	Calibration and Automation Software	Quantity : 1 No.
	The calibration and Automation Software should have the following features	
	The SW should be able to perform automated calibration on all kinds of test and measurement tools and equipment's, including DC/If, RF and microwave instruments.	
	The SW to create, edit, test and document calibration procedure, quickly and easily.	
	The SW should have following benefits: Faster than manual calibration, consistent calibrations, documented procedures and reports, increased productivity, Flexible and scalable, broad instrument support, Editable procedures, Error reduction. Calibration automation and inventory management.	
	The SW to Configure and report a wider range of measurement uncertainty parameters and include verification data to provide an audit trail and support future analysis.	
	The SW should be able to track asset information including work order history and status, tractability, users, customers, and location.	
	The SW should be able to analyze and report asset information, produce customized printed certificates and reports.	
	The SW should help meet the requirements of quality standard like ISO 9000, ISO/IEC 17025, NRC 10 CFR, ANSI Z540.3 and other standards.	
	The SW should be able to integrate and run the Multiproduct / Multifunction calibrator and Reference Multimeter	
	The SW should be able to Export test result data to a CSV file for further analysis outside the supplied SW.	
	The SW should be able to run on Windows 10.	
	i) Software and Procedure Support	Quantity : 1 No.
	<ul style="list-style-type: none"> • Priority access to software support • Free software upgrades and updates • Database services • QA/Test Server licenses 	
	ii) Interconnecting Cables for connecting PC with Calibrator & DUT	
	IEEE-488 Shielded Interface Cable, 1M	Quantity : 1 No.
	USB-to-GPIB Controllers	Quantity : 1 No.
D	Phase Angle Meter:	Quantity : 1 No.
	phase ranges: 0° to 360° range and the ±180° range. Accuracy 0.020°, Resolution- 0.001°	
E	RF Power Meter with Sensor	Quantity : 1 No.
	Range : Frequency: 9 kHz to 3 GHz.	
F	Power Analyzer :	Quantity : 1 No.
	Voltage input Range : 0.3 to 1000V : Current input Range : 0.3mA to 20A : Basic Accuracy: 0.2%	

6) Transconductance Amplifier

Transconductance Amplifier	Quantity : 1 No.
Operating Limits	
Output ranges	2 A, 20 A, 120 A (100 A dc)
Input current range	200 mA, 200 mA, 120 mA (100 mA dc)
Current gain	10, 100, 1000
Input voltage range	2 V, 2 V, 1.2 V (1.0 V dc)
Transconductance	1,10,100 Siemens
Frequency	To 10 kHz
Maximum output compliance voltage	4.5 Vrms (6.4 Vpeak)
Inductive drive capability:	1 mH load
Output isolation, current terminal to earth	600 Vrms, 850 Vpeak, dc to 850 Hz
Performance Specifications	
DC accuracy, standalone	To 160 ppm
AC accuracy, standalone	To 350 ppm
Phase angle accuracy	0.006°
Load dependent phase angle shift	<0.001° @ 60 Hz
General Specifications	
Input line voltage range	100 V to 240 V with up to ±10 % fluctuations
Transient overvoltage	Impulse withstand (overvoltage); Category II of IEC 60364-4-443
Frequency	47 Hz to 63 Hz
Maximum consumption	< 1500 VA
Weight	Less than 30 kg
Design standards and compliance	Designed to EN 61010-1: 2010, CAN/CSA 22.2 No 61010.1-04, ANSI/UL 61010-1:2004, EN 61326-1:2006 CE marked, CSA listed
Operating temperature	5 °C to 35 °C
Calibration temperature range	16 °C to 30 °C
Warm up time	1 hour
Safe operating max. relative humidity (non-condensing)	<80 % 5 °C to 31 °C ramping linearly down to 50 % at 35 °C
Operating altitude	0 m to 2,500 m
Shock and vibration	MIL-PRF-28800F class 3
Specification confidence level	99%

7) DC Reference Standard and accessories

A. DC Reference Standard		
Quantity	1 No.	
Output voltages	10 V, 1 V, and 0.1 V	
Stability	Standard Stability for outputs at Tcal ± 1 °C and IN CAL indicator on is specified in the standard stability table below	
	Output Voltage	One Year Stability ($\pm \mu\text{V/V}$)
	10 V	2.0
	1 V	3.0
	0.1 V	9.8
Noise at the output terminals	Output noise is specified for both day-to-day observations and for short-term observations, at k=1	
	Output Voltage	Noise ($\pm \mu\text{V/V rms}$)
	10 V	0.06
	1 V	0.15
	0.1 V	1.0
Output current and impedance		
Output Voltage	Output current limit	Output impedance
10 V	12 mA	$\leq 1 \text{ m}\Omega$
1 V	1.2 mA	$\leq 1 \text{ m}\Omega$
0.1 V	20 pA	$\leq 100 \Omega$
<u>Temperature Coefficient (TC) of Output</u>		
	Output Voltage	Temperature Coefficient ($\pm \mu\text{V per V/}^\circ\text{C}$)
	10 V	0.04
	1 V	0.1
	0.1 V	0.2
Line Voltage and Frequency	216 V to 264 V	50 Hz/60 Hz
Compliance Standard		
	Electromagnetic Compatibility	IEC 61326-2-1; CISPR 11: Group 1, Class A
	Safety	IEC 61010-1, Installation Category II, Pollution degree 2
	Ingress Protection	IEC 60529: IP20

B. High Temperature Dry Block Source : _Quantity - 1 No	
Range	50 to 650 degC
Display Accuracy	± 0.35 °C at 50 °C, ± 0.35 °C at 420 °C, ± 0.5 °C at 660 °C
Stability	± 0.05 °C at 660 °C
Axial Uniformity at 40 mm (1.6 in)	± 0.5 °C at 660 °C
Radial Uniformity	± 0.10 °C at 660 °C
Heating Time	15 min: 50 °C to 660 °C
Cooling Time	35 min: 660 °C to 50 °C
Resolution	0.01 °
Display	LCD or LED, °C or °F user-selectable

Note:

- 1) All main calibrators / Instruments should be provided Calibration certificate from accredited lab (National/ International) as per ISO/IEC 17025 with Cal data.
- 2) Warranty : Minimum 1 Year after installation
- 3) Service / Repair Facility: OEM authorized Service / Repair Facility should be available in India.

Note: All accessories and consumables which shall be required to run the equipment smoothly have to be supplied along with the equipment.

ANNEXURE -B**(Undertaking from Bidder on their official stationery)**

To,
The Chief General Manager
NSIC Technical Services Centre,
Sector B-24, Guindy Industrial Estate,
Ekkaduthangal, Chennai-600 032.

Sir,

Subject: Undertaking for the participation in the tender No. NSIC/CHE/MCL/2019/03 due for opening of technical bid on 04th October, 2019.

Dear Sir,

HAVING EXAMINED AND PERUSED THE FOLLOWING DOCUMENTS

1. Notice Inviting Tender
2. Instructions to The Tenderer
3. Technical Specifications of equipment (Annexure-A)
4. Annexure – C (Technical Bid)
5. Annexure – D (Commercial Bid)

I/Wedo hereby submit the above bid in prescribed formats duly completed in all respects in accordance with the conditions applicable. If this tender is accepted, I/We agree to abide by and fulfil all the terms and conditions in the tender documents

I/We hereby distinctly and expressly declare and acknowledge undertake that before the submission of this bid, I/We have carefully read and followed the instructions and I/We have understood the existing system of supply at the Address(es) of purchaser including the scope and nature of duties expected from the Bidder.

I/We distinctly undertake that I/We would hereafter make no claim or demand upon the purchaser based upon or arising out of any alleged misunderstanding or misconceptions or mistake on my/our part of the said stipulations, restrictions and conditions.

I/ We undertake & declare that our unit has never made any default in supplying the equipment to Government / Semi Government/ Central or State Public sector enterprise(s) for any reasons in the last five years.

Any notice required to be served on me/us shall be sufficiently served on me/us through email or post (registered or ordinary) or courier or left at my/our address furnished herein.

.....
.....
I/We fully understand the terms and conditions in the tender documents.

I/We understood that the purchaser is not bound to accept any proposal that it may receive without assigning any reason.

Dated this.....day of.....2019

Authorized Signatory
Seal:

ANNEXURE-C

FORMAT & REQUIREMENTS FOR SUBMITTING TECHNICAL BID

1. **Tender Ref. No:** NSIC/CHE/MCL/2019/03
2. **Name of Bidder:**
3. **Complete office address/contact numbers/Email ID/Mobile Number of Bidder:**
4. **Tender fee payment details** (if tender document downloaded from website)
Details of DD/RTGS/NEFT by which tender fee paid.....
5. **Confirmation of acceptance of Technical Specifications for the supply of equipment:**

1) REFERENCE MULTIMETER 8.5 DIGITS AND ACCESSORIES				
Sl. No.	Parameter	Specifications	Acceptance to the Specification as placed at Annexure-A and agreed to supply with required Quantity (write YES/ NO only)	If marked "NO" in the column before, specify the deviation in specification of the Equipment offered for the supply.
A	Reference Multimeter 8.5 Digits			
	Quantity : 1 No.			
1	Measurement Parameters:			
1.1	DC Voltage:			
	Range	200mV to 1000V or better		
	Resolution (best)	1nV with 8 ½ digits or better		
	Uncertainty (1 Year)	±4 to 6ppm or better;		
		at 10V ±4ppm or better;		
1.2	AC Voltage:			
	Range	200mV to 1000V or better		
	Frequency Range	10Hz to 1MHz or better		
	Resolution (best)	100nV or better		
	Uncertainty (1 Year)	±100 to 140 ppm or better		
1.3	DC Current:			
	Range	200µA to 20A better		
	Resolution (best)	10pA or better		
	Uncertainty (1 Year)	±15 to 400ppm or better		
1.4	AC Current:			
	Range	200uA to 20A or better		

	Frequency Range	10Hz to 20kHz or better		
	Resolution (best)	100pA or better		
	Uncertainty (1 Year)	±500 to 1000ppm at 1kHz or better		
1.5	Resistance:			
	Range	2Ω to 20GΩ or better		
	Resolution (best)	10nΩ or better		
	Uncertainty (1 Year)	±10 to 2500ppm or better		
1.6	Other Functions			
	Measurement Display	Voltage Ratio (up to 1000 V & Resistance Ratio, Frequency should be available		
1	Mains Power	230V AC ±10%, 50Hz		
2	Operating Environment	Operating Temperature range: 15 to 35°C		
3	Remote Programming	IEEE-488 & RS232 interface		
4	Accessories	All types of required Cables / Leads / Connectors etc		
5	Manual	Operating Manual (hard copy)		
B	Lead sets			
	Lead sets to be high quality, low leakage; low dielectric absorption PTFE insulated cables, terminated with gold plated copper spade terminals and general-purpose leads.			
C	Calibration Kit			
	Calibration Kit lead set, 1 GΩ standard resistor and four-wire shorting PCBs for performance verification and calibration adjustment of the reference multimeter.			
D	Digital Thermometer-Hygrometer for Room Temperature monitoring			
Sl. No.	Parameter	Specifications		
1	Operating Range	0 °C to 50 °C (32 °F to 122 °F); 0 % RH to 100 % RH		
2	Calibrated Temperature Accuracy	± 0.125 °C from 16 °C to 24 °C (± 0.225 °F from 60.8 °F to 75.2 °F)		
3	Calibrated RH Accuracy ("H" Model)	± 1.5 % RH from 20 % RH to 70 % RH		

4	Expected Extrapolated Performance (Uncertified)	± 0.5 °C (± 0.9 °F) outside calibrated range ± 3 % RH outside calibrated range		
5	Temperature and RH Resolution	User selectable up to 0.001 °C/°F on front-panel display (0.01° recorded) User selectable up to 0.01 % on front-panel display (0.1 % recorded)		
6	Display	Graphics LCD, displays password-protected temperature/humidity data graphically, numerically, and statistically		
7	Memory	Min 250,000 typical individual date/time-stamped Readings		
8	Alarms	Password-protected visual, audible, and external alarms for temperature, temperature rate, RH, RH rate, and fault conditions		
9	Connectivity	Computer interface should be provided		
10	Mounting	Wall mounted (hardware included) or set on a bench top		
11	Power	12 V dc from external 100 to 240 V dc power supply		
12	Battery Backup	Standard 9 V battery to enable continued measuring during power disruptions		

2) AC MEASUREMENT STANDARD AND ACCESSORIES

Sl. No	Parameters	Specifications	Acceptance to the Specification as placed at Annexure-A and agreed to supply with required Quantity (write YES/ NO only)	If marked "NO" in the column before, specify the deviation in specification of the Equipment offered for the supply.
A	AC Measurement Standard			
	Quantity	01 No.		
1	Voltage Range	700 μ V to 1000 V in various ranges		
	Current Range	Up to 20A with current Shunts		
2	Frequency Response	10 Hz to 1MHz		
Absolute Uncertainty (including stability, temperature co-efficient & linearity):-				
	Voltage Range	Frequency	Absolute Uncertainty In measurement mode (1 year)	
i	2.2 mV	10 Hz to 1 MHz	0.042 % to 0.35 %	
ii	2.2 V	10 Hz to 1 MHz	0.0024 % to 0.09 %	
iii	1000 V	10 Hz to 100 KHz	0.0038 % to 0.05 %	
General characteristics				
	Descriptions	Specification		
1	Warm up time	30 minutes		
2	Operating Temp.	0 to 50 Deg. C		
3	EMI/RFI	Instrument should comply with FCC part 15 subpart B, class B,EN50081-1,EN50082-1		
4	Safety	Instrument should be designed to comply with UL 3111,EN61010,CSA C22.2 No 1010,ANSI/ISI S82.01-1994		
5	Interface	IEEE 488, RS 232		

Accessories : Leads and Connectors			
B	Double banana connectors: This lead permits connecting the shunt connectors to AC Measurement Device. Using leads permits connecting the shunt's voltage output to a voltage measuring instrument and also connecting the shunt's current input to a UUT current source rated 20 A or less.		
C	N male to N male lead: This lead permits connecting the shunt's output connector to an AB measurement device with a female N-type input connector.		
D	RLC Meter		
	Quantity	01 No.	
	Range:	C: 1nF to 10mF , Basic Accuracy 0.1% L: 10 uH to 10mH, Basic Accuracy 0.1%	
E	Timer/Frequency Counter		
	Quantity	01 No.	
	Range:	Frequency Range : 0.01 Hz to 3 GHz, Accuracy: 5×10 ⁻⁸ High-stability Oven Time	

3) Reference Divider and accessories

Sl. No	Parameters	Specification	Acceptance to the Specification as placed at Annexure-A and agreed to supply with required Quantity (write YES/ NO only)	If marked "NO" in the column before, specify the deviation in specification of the Equipment offered for the supply.
A	Reference Divider			
	Quantity :	01 No.		
1		These specifications apply for the lifetime of the instrument over the temperature range of 18 °C to 28 °C.		
2	Ratio uncertainty	This may be calibrated and operated in the normal temperature range of 18 °C to 28 °C. The following table describes the ratio uncertainty that applies for a temperature variation of less than ± 1 °C from the calibration temperature for up to eight hours following calibration		
	Range	Input Voltage	Ratio Uncertainty	Null Uncertainty*
	10:01 Ratio	100 V	0.2 ppm	± 0.5 μV
	100:1 Ratio	1000 V	0.5 ppm	± 1.0 μV

3	Temperature coefficient of ratio	< ± 1 ppm/ $^{\circ}$ C over the entire operating range. Typical performance from 15 $^{\circ}$ C to 30 $^{\circ}$ C should be 0.1 ppm/ $^{\circ}$ C.						
4	Input resistance	10:1 ratio: 380 k Ω \pm 1 %; 100:1 ratio: Divider 4 M Ω ; Driver Guard 4 M Ω ; Total 2 M Ω \pm 1 %						
5	Maximum input voltage	10:1 ratio: 200 V. This specification applies to the safety of the unit only. The maximum voltage for best accuracy is 100 V.						
B	Resistance Standards							
	Quantity			1 No. each (Total 6 Nos)				
	Nominal Value (Ohms)	Deviation from Nominal Value (Ohms)	Stability 12 months (ppm)	Calibration Uncertainty 23deg C.	Maximum Voltage (volts)	Quantity		
	1	17	8	1	0.5	1 No.		
	10	17	8	1	1	1 No		
	100	13	6	1	2	1 No		
	1.0k	14	6	1.5	10	1 No		
	10.0k	9	4	1	30	1 No		
	1.0M	21	8	5	100	1 No		
	Operating temperature range:			18 $^{\circ}$ C to 28 $^{\circ}$ C				
	Storage temperature			0 $^{\circ}$ C to 40 $^{\circ}$ C				
	Retrace error (hysteresis):			23 $^{\circ}$ C to 18 $^{\circ}$ C to 23 $^{\circ}$ C cycle				

4) Precision Current Shunts

Sl. No	Parameters	Quantity	Acceptance to the Specification as placed at Annexure-A and agreed to supply with required Quantity (write YES/ NO only)	If marked "NO" in the column before, specify the deviation in specification of the Equipment offered for the supply.			
General	Should have 1-year absolute accuracy specification stated at k=2, approximately 95 % confidence for the calibrated value. The specifications should include 1-year stability, temperature effects over TCal ± 1 °C, and the measurement uncertainty of the calibrated value.						
	Shunt Nominal Current:	DC	1 kHz	100 kHz	Quantity		
	10 mA	20	26	26	1 No		
	20 mA	20	26	26	1 No		
	100 mA	20	24	24	1 No		
	2:A	21	27	48	1 No		
	10: A	26	37	92	1 No		
	20: A	26	43	113	1 No		

5. High Performance Multifunction Calibrator and accessories				
Sl. No.	Description	Specs Requirement	Acceptance to the Specification as placed at Annexure-A and agreed to supply with required Quantity (write YES/ NO only)	If marked "NO" in the column before, specify the deviation in specification of the Equipment offered for the supply.
A	High Performance Multifunction Calibrator	Quantity : 1 No.		
1	DC Voltage			
a)	Range	0 to ±1100V		
b)	Best Absolute Accuracy	±3.5 ppm or better (One year, 95% confidence level)		
2	AC Voltage			
a)	Range	220 mV to 1100 V		
b)	Best Absolute Accuracy	± 42 ppm or better (One year, 95% confidence level)		
c)	Frequency Range	10Hz to 1MHz or better		
3	DC Current			
a)	Range	0 ± 2.2 A		
b)	Best Absolute Accuracy	±35 ppm or better (One year, 95% confidence level)		
4	AC Current			
a)	Range	9 µA to 2.2 A		
b)	Best Absolute Accuracy	±103 ppm or better (One year, 95% confidence level)		
c)	Frequency Range	10Hz to 10 KHz or better		
5	Resistance			
a)	Range	0 to 100MΩ		
b)	Best Absolute Accuracy	±6.5ppm or better (One year, 95% confidence level)		
6	Display and other features			
	6.5" VGA touch screen full colour display and soft keys; Visual Connection Management output terminals for test lead connection guidance and safety			
7	Capable to calibrate high precision /resolution multimeters etc.			
8	Interfaces : USB , Ethernet, RS-232, and GPIB (IEEE-488)			

9	Automatic power mains sensing (Soft Power)			
	Power supply : 230 VAC \pm 10%, 50 Hz \pm 10%			
10	EMC -IEC 61326-1: Controlled			
11	Safety: IEC 61010-1: CAT II, 300 V Pollution Degree 2			
B	Accessories : Cables & Leads			
	a) Low Thermal EMF Cables with Banana Plugs	Quantity : 1 Set		
	b) Low Thermal EMF Cables with Spade Connectors	Quantity : 1 set		
C	Calibration and Automation Software	Quantity : 1 No.		
	The calibration and Automation Software should have the following features			
	The SW should be able to perform automated calibration on all kinds of test and measurement tools and equipment's, including DC/If, RF and microwave instruments.			
	The SW to create, edit, test and document calibration procedure, quickly and easily.			
	The SW should have following benefits: Faster than manual calibration, consistent calibrations, documented procedures and reports, increased productivity, Flexible and scalable, broad instrument support, Editable procedures, Error reduction. Calibration automation and inventory management.			
	The SW to Configure and report a wider range of measurement uncertainty parameters and include verification data to provide an audit trail and support future analysis.			
	The SW should be able to track asset information including work order history and status, tractability, users, customers, and location.			
	The SW should be able to analyze and report asset information, produce customized printed certificates and reports.			
	The SW should help meet the requirements of quality standard like ISO 9000, ISO/IEC 17025, NRC 10 CFR, ANSI Z540.3 and other standards.			
	The SW should be able to integrate and run the Multiproduct / Multifunction calibrator and Reference Multimeter			
	The SW should be able to Export test result data to a CSV file for further analysis outside the supplied SW.			
	The SW should be able to run on Windows 10.			

	i) Software and Procedure Support	Quantity : 1 No.		
	Priority access to software support			
	Free software upgrades and updates			
	Database services			
	QA/Test Server licenses			
	ii) Interconnecting Cables for connecting PC with Calibrator & DUT			
	IEEE-488 Shielded Interface Cable, 1M : Quantity : 1 No.			
	USB-to-GPIB Controllers : Quantity : 1 No.			
D	Phase Angle Meter:	Quantity : 1 No.		
	phase ranges: 0° to 360° range and the ±180° range.			
	Accuracy 0.020° , Resolution- 0.001°			
E	RF Power Meter with Sensor	Quantity : 1 No.		
	Range : Frequency: 9 kHz to 3 GHz,			
F	Power Analyzer :	Quantity : 1 No.		
	Voltage input Range : 0.3 to 1000V			
	Current input Range : 0.3mA to 20A			
	Basic Accuracy: 0.2%			

6. TRANSCONDUCTANCE AMPLIFIER

Sl. No	Parameters	Acceptance to the Specification as placed at Annexure-A and agreed to supply with required Quantity (write YES/ NO only)	If marked "NO" in the column before, specify the deviation in specification of the Equipment offered for the supply.
Transconductance Amplifier	Quantity : 1 No.		
Operating Limits			
Output ranges	2 A, 20 A, 120 A (100 A dc)		
Input current range	200 mA, 200 mA, 120 mA (100 mA dc)		
Current gain	10, 100, 1000		
Input voltage range	2 V, 2 V, 1.2 V (1.0 V dc)		
Transconductance	1,10,100 Siemens		
Frequency	To 10 kHz		
Maximum output compliance voltage	4.5 Vrms (6.4 Vpeak)		
Inductive drive capability:	1 mH load		
Output isolation, current terminal to earth	600 Vrms, 850 Vpeak, dc to 850 Hz		
Performance Specifications			
DC accuracy, standalone	To 160 ppm		
AC accuracy, standalone	To 350 ppm		
Phase angle accuracy	0.006°		
Load dependent phase angle shift	<0.001° @ 60 Hz		
General Specifications			
Input line voltage range	100 V to 240 V with up to ±10 % fluctuations		
Transient overvoltage	Impulse withstand (overvoltage); Category II of IEC 60364-4-443		
Frequency	47 Hz to 63 Hz		

Maximum consumption	< 1500 VA		
Weight	Less than 30 kg		
Design standards and compliance	Designed to EN 61010-1: 2010, CAN/CSA 22.2 No 61010.1-04, ANSI/UL 61010-1:2004, EN 61326-1:2006 CE marked, CSA listed		
Operating temperature	5 °C to 35 °C		
Calibration temperature range	16 °C to 30 °C		
Warm up time	1 hour		
Safe operating max. relative humidity (non-condensing)	<80 % 5 °C to 31 °C ramping linearly down to 50 % at 35 °C		
Operating altitude	0 m to 2,500 m		
Shock and vibration	MIL-PRF-28800F class 3		
Specification confidence level	99%		

7) DC Reference Standard and accessories

Sl. No	Parameters	Specifications	Acceptance to the Specification as placed at Annexure-A and agreed to supply with required Quantity (write YES/ NO only)	If marked "NO" in the column before, specify the deviation in specification of the Equipment offered for the supply.
1	A. DC Reference Standard			
	Quantity	1 No.		
	Output voltages	10 V, 1 V, and 0.1 V		
	Stability	Standard Stability for outputs at Tcal ± 1 °C and IN CAL indicator on is specified in the standard stability table below		
		Output Voltage	One Year Stability ($\pm\mu\text{V}/\text{V}$)	
		10 V	2	
		1 V	3	
		0.1 V	9.8	
	Noise at the output terminals	Output noise is specified for both day-to-day observations and for short-term observations, at k=1		
		Output Voltage	Noise ($\pm\mu\text{V}/\text{V}$ rms)	
		10 V	0.06	
		1 V	0.15	
		0.1 V	1	
	Output current and impedance			
	Output Voltage	Output current limit	Output impedance	
	10 V	12 mA	$\leq 1 \text{ m}\Omega$	
	1 V	1.2 mA	$\leq 1 \text{ m}\Omega$	
	0.1 V	20 pA	$\leq 100 \Omega$	
	Temperature Coefficient (TC) of Output			
		Output Voltage	Temperature Coefficient ($\pm\mu\text{V}$ per $\text{V}/^\circ\text{C}$)	
		10 V	0.04	
		1 V	0.1	
		0.1 V	0.2	
	Line Voltage and Frequency	216 V to 264 V	50 Hz/60 Hz	

	Compliance Standard			
		Electromagnetic Compatibiity	IEC 61326-2-1; CISPR 11: Group 1, Class A	
		Safety	IEC 61010-1, Installation Category II, Pollution degree 2	
		Ingress Protection	IEC 60529: IP20	
2	B. High Temperature Dry Block Source : Quantity - 1 No			
	Range	50 to 650 degC		
	Display Accuracy	± 0.35 °C at 50 °C, ± 0.35 °C at 420 °C, ± 0.5 °C at 660 °C		
	Stability	± 0.05 °C at 660 °C		
	Axial Uniformity at 40 mm (1.6 in)	± 0.5 °C at 660 °C		
	Radial Uniformity	± 0.10 °C at 660 °C		
	Heating Time	15 min: 50 °C to 660 °C		
	Cooling Time	35 min: 660 °C to 50 °C		
	Resolution	0.01 °		
	Display	LCD or LED, °C or °F user-selectable		

Note:

- 4) All main calibrators / Instruments should be provided Calibration certificate from accredited lab (National/ International) as per ISO/IEC 17025 with Cal data.
- 5) Warranty : Minimum 1 Year after installation
- 6) Service / Repair Facility: OEM authorized Service / Repair Facility should be available in India.

The above list of standard accessories are tentative and the bidder shall have authority to supply additional accessories as they deemed fit for the successful operation of the equipment after the supply at designated site.

6. Confirmation for supply to the Address:

#	Details	Address
		The office of Chief General Manager, NSIC Technical Services Centres at Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032.
1	Tentative quantity required	One set of High Precision Masters for calibration
2	Consent to supply: (write YES/ NO only)	

7. EMD payment details (Not applicable if the bidder is holding valid registration/ exemption certificate, as per Para 12 (c) of Instruction to Tenderers): Details of DD/RTGS/NEFT by which EMD paid

The EMD of Rs. 15,00,000/- (Rupees Fifteen Lakhs Only) for Chennai location shall be submitted.

8. PAN of bidder (self-attested copy to be enclosed)**9. GSTIN registration number of bidder** (self-attested copy to be enclosed)**10. Delivery period after receipt of supply order from purchaser:** (The purchaser is interested for complete delivery of equipment by the bidder within One Hundred & Twenty (120) calendar days from the date of issue of supply order. However, the bidder has an option to submit the best delivery time, but in any case, the delivery should be before 120 days from the date of issue of supply order by purchaser. Delivery to be completed *in* number of days (Calendar Days In figure) (Calendar Days in words) for delivery from the date of issue of supply order by purchaser.**11. Details of address with contact details from where the bidder planned to offer After Sales Services during the Warranty period :**

#	Address
	NSIC Technical Services Centres at Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai-600 032.
Details of address of bidder for rendering 'After Sales Services'	

12. Details of address with contact details for at least three (03) purchaser to whom the bidder supplied similar equipment in the last five (05) years and equipment shall be in operations to the satisfaction of buyer for the last three (03) years: *The format for submission of details for at least three purchaser are as under: (the bidder can furnish details of even more than three purchaser)*

- a. Address of Purchaser with contact details (email and phone no.):
- b. Details of order for supply placed to bidder:
- c. Description and quantity of ordered equipment:
- d. Value of order in rupees:
- e. Date of completion of delivery:

(The purchaser shall have liberty to contact any or all of purchaser to assess the performance of equipment supplied by bidder)

13. Documents - Details to be enclosed with the Technical bid by bidder are as under:

- a) In case the bidder is Original Equipment Manufacturer, the bidder to submit a self-declaration on their letter-head, confirming that they are regular in manufacturing & supplying the similar equipments, as asked in this tender, for the last Ten (10) years.
- b) In case the bidder is Authorized Distributor of OEM / Authorized Dealer of OEM, the bidder to attach self-certified valid authorized Distributorship / Dealership license from Original Equipment Manufacturer who should have valid ISO Certificate and shall be engaged in regular manufacturing and supply of similar equipment for the last ten (10) years.
- c) The Original Equipment Manufacturer shall attach the self-certified copy of valid ISO Certificate for their establishment.
- d) In case the bidder is Authorized Distributor of OEM / Authorized Dealer of OEM, the bidder to attach the self-certified copy of valid ISO Certificate of their OEM.
- e) To avail benefit of Public Procurement Policy by SC/ST Micro & Small Enterprises, the requirement of documents to substantiate their claim (As per Para 5 of this tender) shall be submitted with Technical Bid.
- f) Undertaking as per annexure-B on official stationery.
- g) Duly signed all pages of "Instructions to Tenderers" of the tender document as a mark of acceptance.
- h) The letters substantiating performance from at least three (03) other purchasers, to whom, the similar equipment supplied by the bidder in last five (05) years, wherein, the equipment shall be in operation to the satisfaction of buyer for the last three (03) years, to access performance of the equipment supplied by your organization.
- i) Technical Literature of equipment(s) with particular reference to the model of equipment proposed to supply against this tender along with reference of website to assess the further features.
- j) Authorization letter in favour of their representative to sign the tender on behalf of bidder.
- k) Self-certified copy of valid certificate for claiming EMD exemption.
- l) Self-certified copy of valid certificate for claiming Tender Fee exemption.

- m) Self-attested copy of valid GSTIN registration.
- n) Self-attested copy of valid PAN.
- o) In case EMD paid through online banking system, the details of UTR Number and date shall be submitted.
- p) In case the tender downloaded from website, then either the Demand Draft towards tender's fees or UTR number and date for the transfer of tender fees shall be enclosed with the technical bid.
- q) The Bidders shall furnish complete Technical details of machine/ equipment/ material for the equipment offered to supply through the participation of this tender (use separate sheet to elaborate the details of technical specifications such as Measuring Range/Size, Least Count/Resolution, Accuracy, Materials used, Accessories, Tools, Spares, software, etc.).
- r) To submit all supporting information with respect to the technical data, drawings or booklets of product. Any product brief, test certificates/calibration available may be enclosed.

I/We as bidder certify that:

- a. The Bid submitted through this tender shall remain valid for acceptance for 120 days from the date of opening the Technical Bid of the tender.
- b. Agree to offer services for onsite comprehensive warranty on the equipment(s) for one year supplied through this tender.
- c. Agree to impart onsite training to the designated personnel of purchaser for 10 working days.
- d. No price of any Equipment/ Spares/ Accessories shall be given in Technical Bid.
- e. All above equipments should be provided with safety features/curtains/enclosure/ stands etc. wherever applicable.
- f. The Bidder certified that all consumables, electrical and electronic parts of the product conform to national/ international standard(s).

Name & Signature of the authorized bidder with stamp
Contact details of authorized person of bidder who have signed the tender.

Name:.....

Designation:.....

Phone (office):.....

Phone (Mobile):.....

E mail:.....

Annexure –“D”

FORMAT FOR SUBMISSION OF COMMERCIAL BID

1. Tender Ref. No: NSIC/CHE/MCL/2019/03
2. Name of the Bidder:
3. The commercial offer to execute the supply as per the tender:

a. Supply of Equipments to Chennai address:

#	Details	Unit Price of Equipment before GST of single unit (In Rs.)	Quantity to be supplied (In No.)	Total Price of Equipment before GST (Multiply column no 2 and 3) (In Rs.)
	1	2	3	4
a.	Offered financials for the supply, installation, commissioning at site & training to trainers with commitment to offer onsite after sales services in the period of warranty for the Calibration Lab Equipments Under Modernization of Calibration Lab to supply, as agreed in technical bid of the tender no. NSIC/CHE/MCL/2019/03			
b.	Total Price of Equipment before GST for the supply of total quantity as detailed at row 'a' above to the address at Chennai, (Row a) (In Rs.)			
c.	Total Price of Equipment before GST for the supply of total quantity as detailed at row 'a' above to the address at Chennai, location (Row a) (In words)			

The following to be noted while submitting financial details for the supply of equipment to the individual address:

- a) The competitiveness of bid shall be made on address of supply basis on the evaluation of “Unit Price of Equipments before GST”.
- b) The Purchaser shall compare the “Unit Price of Equipments before GST” of all the responsive bids to determine the lowest bid for a particular address.
- c) The bidder shall note that they are not supposed to put any GST amount in the Commercial Bid. However, after the supplies, they have to issue the GST invoice indicating the Price of equipment as quoted in the Commercial Offer and thereafter specify the GST as applicable at the time of delivery. The Purchaser shall pay total amount which includes the unit price of equipment as well as the GST as applicable at the time of delivery.
- d) The Total Cost quoted above should be inclusive of Basic Price, Transportation, Incidental Services (including Insurance, Loading/ Unloading, Packing & Forwarding charges etc.), Installation & Commissioning, Demonstration & Training, on-site comprehensive warranty for one year.

- e) The Purchaser reserves the right to ask the evidence from bidder to counter-check that the GST as claimed by the bidder at the time of issue of invoice after the supply of equipments.
- f) The bidder will not be entitled to any increase in Unit Price of the equipment before GST occurring during the period of delivery for any reason.
- g) The "Unit Price of the equipment before GST" should be inclusive of all costs involved for the delivery to the destination(s) including the cost of Installation & Commissioning at destination, Training to the trainer (as detailed at Para 3(c&d) of "Scope of Supplies" of this tender), Cost of services to be provided during Comprehensive Warranty of one year. (Refer Para 3(e) of "Scope of Supplies" of this tender).
- h) No extra payment or revision of "Price of equipment before GST" shall be accepted on account of any discrepancy in nomenclature of items. The Bidder is advised to seek clarification, if any, desired before submitting the tender/ bid.
- i) The competing bids of "Unit Price of the equipment before GST" shall be given due consideration as the Commercial Bid would be evaluated on the basis of lowest price.

I/We as bidder agree and certify that:

- i. The tender shall remain valid for acceptance for 120 days from the date of opening the Technical Bid of the tender.
- ii. Agree to offer services for onsite comprehensive warranty for one years on the machine(s)/ equipment supplied through this tender.
- iii. Agree to offer services during comprehensive warranty period of 1 year for the equipment(s) supplied through this tender.
- iv. Agree to impart onsite training to the designated personnel of purchase for 10 working days.
- v. Agree to three (03) sets of the Installation, Operation, Maintenance, and Training Manuals with equipment.
- vi. Agree that the offer price is valid for a period of 120 days from the date of opening of technical bid of this tender.

Further, confirm that we agree with the terms and conditions specified in "Instructions to Bidders" and if we succeed, the execution of supplies would be made in compliance.

Name & Signature of the authorized bidder with stamp
Contact details of authorized person of bidder who have signed the tender.

Name:.....
Designation:.....
Phone (office):.....
Phone (Mobile):.....
E mail:.....