INDIAN INSTITUTE OF TECHNOLOGY MADRAS Chennai 600 036



Telephone: [044] 2257 9723/9798 E-mail: tender@imail.iitm.ac.in



The Senior Manager (Project Purchase)

Ref: ELE/RADA/061/2020 Date: 31.01.2020

Open Tender No: ELE/RADA/061/2020

Due Date: 24.02.2020, 3 PM

Pre-Bid meeting: - NA

Technical opening meeting on 24.02.2020, 4:00 PM at Department of Electrical Engineering, IIT-Madras.

Dear Sir/Madam,

On behalf of the IIT Madras offers are invited for the supply of multiple quantities of the following items and their corresponding accessories.

- ITEM A: Oscilloscope (4 GHz BW)
- ITEM B: Oscilloscope (BW 500 MHz)

The vendor should quote for all the above items. No other combinations are allowed. Quotations for individual components of the above items will not be entertained. The detailed terms and conditions are attached.

Table 1: Allowed items for the quotes.

| ITEM | Up to a possible maximum quantity which may be procured in total | Quoted (Yes/No) |
|-------------------------|--|-----------------|
| A (Oscilloscope 4 GHz) | 1 | |
| B(Oscilloscope 500 MHz) | 3 | |

Instructions to the Bidder

- I. **Preparation of Bids:** The tenders should be submitted under two-bid system (i.e.) Technical bid and Financial bid.
- **II. Delivery of the tender:** The tender shall be sent to the address mentioned below, either by post or by courier so as to reach our office before the due date and time specified in our schedule. The offer/bid can also be dropped in the tender box on or before the due date and time specified in the schedule.

The tender box is kept in the office of the:

The Senior Manager, Project Purchase, IC & SR Building, 2nd floor, I.I.T. Madras, Chennai – 600 036.

- **III. Opening of the tender:** The offer/bids will be opened by a committee duly constituted for this purpose. The technical bids will be opened first and will be examined by a technical committee which will decide the suitability of the bids as per our specifications and requirements.
- IV. Prices: The price should be quoted in net per unit (after breakup) and must include all packing and delivery charges to the Department of Electrical Engineering. The offer/bid should be exclusive of taxes and duties. The percentage of tax & duties should be clearly indicated separately. Kindly note that IIT Madras is eligible for concessional GST and relevant certificate will be issued.

In case of import supply, the price should be quoted without custom duty. IIT Madras is exempted from levy of IGST on Imports and eligible for concessional custom duty (not exceeding 5%) and the price should be quoted on EX WORKS and CIP basis (stating the Cost, Insurance, Freight separately) and indicating the mode of shipment.

- V. Agency Commission: Agency commission, if any, will be paid to the Indian agents in rupees after receipt of the equipment and its satisfactory installation. Agency Commission will not be paid in foreign currency under any circumstances. The details should be explicitly shown in the tender document even in the case of 'Nil' commission. The tenderer should indicate the percentage of agency commission to be paid to the Indian agent. The Foreign Principal should indicate the percentage of payment and it should be included in the basic price quoted originally (if any).
- VI. Terms of Delivery: The item should be supplied to the Department of Electrical Engineering, IIT Madras as per the Purchase Order. In case of import supply, the item should be delivered at the cost of the supplier to our Institution. The Installation/Commissioning should be completed as specified in our important conditions.
- VII. <u>Technical Bid Opening</u>: The technical bid will be opened on 24.02.2020, 4:00 PM at the Department of Electrical Engineering, IIT-Madras. The financial bids of those tenderers who are technically qualified will be opened at a later date under intimation to them.
- VIII. IIT Madras reserves the full right to accept / reject any tender at any stage without assigning any reason.
 - i) IIT Madras also reserves the right to purchase none or only a subset of the items (as shown in Table 1) without assigning any reason.
 - ii) The actual quantities ordered may differ based on the requirement at the placement of order.

Yours sincerely,

The Senior Manager (Project Purchase) IC&SR Building, I.I.T. Madras, Chennai – 600 036

SCHEDULE

Important Conditions of the tender

- 1. The due date for the submission of the tender is **24.02.2020, 3 PM.**
- 2. The offers / bids should be submitted in a two bids system, i.e., Technical bid and Financial bid.
 - a. The technical bid should consist of all technical details / specifications only for the equipment combinations provided in Table 1 that the vendor is bidding for.
 - i. The vendors should quote for all the above items as shown in Table 1.
 - a. Quoting for one item is not allowed. All the items should be quoted.
 - b. Quotations for individual/partial components of the above items will not be entertained.
 - ii. There should be a single technical bid for the items provided in Table 1 that the vendor is bidding for.
 - a. The sub-components (if any) for each item should be explicitly provided.
 - b. The items (along with their sub-components) in the bid should clearly be demarcated.
 - iii. <u>The cover page of the technical compliance should contain Table I and the corresponding items that the vendor is bidding for should be marked using the fourth column (Quoted Yes/No).</u>
 - iv. Any quoted item has to be self-contained and operable with respect to accessories, equipment, software required, i.e., there can be no sharing of accessories, equipment, software between items of the same type or between different item types.
 - v. For each quoted item, there should be a compliance table based on the equipment specifications provided in the tender. Each of the quoted item will be examined for technical compliance independently of the other items.
 - a. For each technical specification of the compliance table, there should be an explicit reference (page no, paragraph, line no) in the products data sheet.
 - b. In the corresponding data sheet, the particular line should be highlighted.
 - c. The committee reserves the right to disqualify a technical bid if such explicit information is not provided and the information is not easily accessible.
 - vi. The EMD in the form of account payee DD in favor of "Registrar I.I.T. Madras" should be included <u>in the technical bid</u> and NOT in the financial bid. The vendor bid for a particular item will be disqualified if the EMD payment for that particular item is not present. The EMD's (total for an item irrespective of the quantity) for the items are provided below. Separate EMD' DDs should be included for the different items being quoted.
 - a. Any offer not accompanied with the EMD shall be rejected summarily as non-responsive. EMD should remain valid for a period of 45 days beyond the final bid validity period.
 - b. The EMD of the unsuccessful bidders shall be returned within 30 days of the end of the bid validity period. The same shall be forfeited, if the tenderers withdraw their offer after the opening during the bid validity period. The Institute shall not be liable for payment of any interest on EMD. EMD is exempted for Micro and Small Enterprises (MSE) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or registered with the Central Purchase Organization or with IIT Madras as on the date of submission of bids.

Table 2: EMD for an item.

| Item | Total EMD (in INR) |
|--------------------------|--------------------|
| A (Oscilloscope 4GHz) | 150,000 |
| B (Oscilloscope 500 MHz) | 50,000 |

- b. The Financial bid should indicate the item-wise price for each item, and it should contain all Commercial Terms and Conditions including Taxes, transportation, packing & forwarding, installation, guarantee, payment terms, pricing terms etc. <u>There should be a separate financial bid for each of the</u> <u>items provided in Table 1 that the vendor is bidding for</u>:
 - The price should be quoted as below and must include all packing and delivery charges to the departments. The offer/bid should be exclusive of taxes and duties, which will be paid by the purchaser as applicable. <u>However, the percentage of tax & duties should be clearly indicated.</u>
 - a. The price should be quoted without custom duty and GST, since IIT Madras, is eligible for concessional GST and customs duty.
 - b. In case of import supply, the price should be quoted on CIF basis indicating the mode of shipment and should be applicable to shipping to IIT Madras.
 - c. The price may be quoted in USD, Euro and/or INR. The prevailing market exchange rate on the day of bid evaluation will be used to compare bids.
 - For an item that the vendor is quoting, the financial bid for that item should contain an explicit cover sheet with an <u>appropriate row from the below table (Table 3) for which the financial</u> <u>bid pertains to.</u>

| Item | | Cost | Castaan |
|--------------------------|----------------|-------------|----------|
| Item | Up to a | Cost | Cost per |
| | Possible | Quoted | unit in |
| | Maximum | (excluding | USD / |
| | Quantity | taxes and | Euro / |
| | which may be | duties) for | INR |
| | procured in | Maximum | C = |
| | Total by | Quantity | (B/A) |
| | Participating | which may | |
| | Institutes (A) | be | |
| | | procured | |
| | | in | |
| | | USD/Euro/ | |
| | | INR (B) | |
| A (Oscilloscope 4GHz) | 1 | 0 | 0 |
| B (Oscilloscope 500 MHz) | 3 | 0 | 0 |

Table 3: Financial Bid Format and Consolidated Requirements

Procedure for submitting Financial Bid

For example, if the vendor is quoting for Item B, then the financial bid for item B <u>should contain a</u> <u>cover sheet which should state FINANCIAL BID FOR ITEM B and the envelope in which the</u> <u>financial bid for Item B has been provided should be marked with the heading "Financial Bid for</u>

ITEM B Only". The Envelope should contain the following Pricing Sheet signed by the authorized signatory of the organization.

| Item | Up to a Possible | Cost Quoted | Cost per unit in |
|-----------------|------------------|------------------|------------------|
| | Maximum | (excluding taxes | USD / Euro / INR |
| | Quantity which | and duties) for | C = (B/A) |
| | may be procured | Maximum | |
| | in Total by | Quantity which | |
| | Participating | may be procured | |
| | Institutes (A) | in USD/Euro/ | |
| | | INR (B) | |
| B (Oscilloscope | 3 | XXXXX | YYYYY |
| 500 MHz) | | | |

The highlighted entries are mandatory and should be present.

- iii. The financial bid for an item along with its cover sheet should be put in in a separate envelope and sealed. The envelope should explicitly mention (written on the left side) the item for which the price bid is for. The envelope (Financial bid + cover letter) for the item will be opened only if the item meets the Technical Specification.
- All the sealed envelopes should be put in a bigger cover which should mention "Consolidated
 Financial Bid for Oscilloscopes". This cover has to be sealed properly.
- 3. The final L1 for will be based on the total cost of all the items.
- 4. The Institute will place its order(s) for the item at the L1 price for the item as determined above.
- 5. The institute reserves the right to negotiate for each item with the L1 vendor determined as appropriate.
- 6. Performance Security: The successful bidder should submit Performance Security for an amount of 5% of the value of the contract/supply. The Performance Security may be furnished in the form of an Account Payee DD, FD Receipt from the commercial bank, Bank Guarantee from any nationalized bank in India. The performance security should be furnished within 21 days from the delivery of the purchase order.

Performance Security in the form of Bank Guarantee: - In case the successful bidder wishes to submit Performance Security in the form of Bank Guarantee, the Bank Guarantee should be routed through the Beneficiary Bank to the end user bank. Otherwise, the Indian Agent of the foreign vendor has to submit a Bank Guarantee from a Nationalized Bank of India.

The Bank Guarantee should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including the warranty obligations.

- Indian agent: If an Indian agent is involved, the following documents must be enclosed: Foreign principal's proforma invoice indicating the commission payable to the Indian Agent and nature of after-sales service to be rendered by the Indian Agent.
 - ✓ Copy of the agency agreement with the foreign principal and the precise relationship between them and their mutual interest in the business.
- 8. Catalogue of the quoted model duly signed by the principals must accompany the quotation in the Technical bid.
- 9. Compliance or Confirmation report with reference to the specifications and other terms & conditions should also be obtained from the principal.

- 10. Validity: The validity of Quotation should not be less than 90 days from the due date of tender.
- 11. Delivery Schedule: The tenderer should indicate clearly the time required for delivery of the item (subjected to the executive committee-IITMadras approval). In case there is any deviation in the delivery schedule, liquidated damages clause will be enforced or penalty for the delayed supply period will be levied. If there is delay, the penalty will be @1% per week of delay subject to a max of 10% of the value of purchase order and if the delay is more than accepted time frame by IITM, the PO would be cancelled, and liquidated damages will be enforced.
- 12. **Risk Purchase Clause**: In the event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from other sources on the total risk of the supplier under risk purchase clause.

13. Payment: -

- (i) No Advance payment will be made for Indigenous purchase. However, 90% Payment against Delivery and 10% after installation are agreed to wherever the installation is involved. In case of import supplies the payment will be made only through 100% Letter of Credit i.e. (90% payment will be released against shipping documents and 10% after successful installation wherever the installation is being done).
- (ii) Advance Payment: No advance payment is generally admissible. In case of specific percentage of advance payment is required, the Foreign Vendor has to submit a Bank Guarantee equal to the amount of advance payment and it should be routed through the Beneficiary Bank to the end user Bank. Otherwise, the Indian Agent of the foreign vendor has to submit a Bank Guarantee through a Nationalized Bank of India.
- 14. **On-site Installation**: The equipment or machinery has to be installed or commissioned by the successful bidder within 15 to 20 days from the date of receipt of the item at site of IIT Madras
- 15. Warranty/Guarantee: The offer should clearly specify the warranty or guarantee period for the machinery/equipment. Any extended warranty offered for the same has to be mentioned separately (For more details please refer our Technical Specifications).
- 16. Late offer: The offers received after the due date and time will not be considered. The Institute shall not be responsible for the late receipt of Tender on account of Postal, Courier or any other delay.
- 17. Acceptance and Rejection: I.I.T. Madras has the right to accept the whole or any part of the Tender or portion of the quantity offered or reject it in full without assigning any reason.
- 18. Do not quote the optional items or additional items unless otherwise mentioned in the Tender documents / Specifications.

19. Disputes and Jurisdiction:

Settlement of Disputes: Any dispute, controversy or claim arising out of or in connection with this PO including any question regarding its existence, validity, breach or termination, shall in the first instance be attempted to be resolved amicably by both the Parties. If attempts for such amicable resolution fails or no decision is reached within 30 days whichever is earlier, then such disputes shall be settled by arbitration in accordance with the Arbitration and Conciliation Act, 1996. Unless the Parties agree on a sole arbitrator, within 30 days from the receipt of a written

request by one Party from the other Party to so agree, the arbitral panel shall comprise of three arbitrators. In that event, the supplier will nominate one arbitrator and the Project Coordinator of IITM shall nominate on arbitrator. The Dean IC&SR will nominate the Presiding Arbitrator of the arbitral tribunal. The arbitration proceeding shall be carried out in English language. The cost of arbitration and fees of the arbitrator(s) shall be shared equally by the Parties. The seat of arbitration shall be at IC&SR IIT Madras, Chennai.

- a. **The Applicable Law:** This Purchase Order shall be construed, Interpreted and governed by the Laws of India, Court at Chennai shall have exclusive jurisdiction subject to the arbitration clause.
- b. Any legal disputes arising out of any breach of contact pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Chennai in Tamil Nadu.

18. All Amendments, time extension, clarifications etc., will be uploaded on the website only and will not be published in newspapers. Bidders should regularly visit the above website to keep themselves updated. No extension in the bid due date/ time shall be considered on account of delay in receipt of any document by mail.

Acknowledgement: - It is hereby acknowledged that the tenderer has gone through all the conditions mentioned above and agrees to abide by them.

SIGNATURE OF TENDERER ALONG WITH SEAL OF THE COMPANY WITH DATE

TECHNICAL SPECIFICATIONS

Terms & Conditions Applicable to all Items

- 1) Any accessories, equipment, software required for an item should be self-contained, i.e., there can be no sharing of accessories, equipment, software between different item types or between items of the same type.
- 2) OEMs or Authorized Distributor with valid authorization letter from the OEM will be permitted to submit the offer.
- 3) Vendor should have operated in India (have an office and a service center) for the last 5 years and should have supplied equipment to reputed institutes and labs in India. Evidence for the same should be provided.
- 4) Vendor should share details of similar equipment supplied to reputed institutes, labs in India with the contact details of the users. User satisfaction reports may be sought directly by the committee and a vendor might be disqualified based on the report.
- 5) Vendor should have repair and calibration lab in India ensuring timely services for repairs in future.
- 6) The Local Calibration/service Facility should be NABL or ISO9001 accredited, Vendor shall submit the NABL Accreditation Certificate (or the ISO9001 Accreditation Certificate) at the time of bidding.
- 7) All equipment should work with Indian power supplies, 240V and 50 Hz. Appropriate power connectors should be provided.
- 8) The quoted product should be supported in for the next five years, i.e. in the next 5 years, the product should be serviceable, repairable, spare parts be available and technical support can be provided by the vendor. A letter authenticated by the OEM company for the same should be provided for each item (and sub-equipment) quoted by the vendor.
- 9) Free firmware/software upgrades on the product features should be provided for three years.
- 10) Vendor should quote 3-year warranty or as specified in the equipment list, whichever is higher.
- 11) If vendor desires partial shipment, it will be permitted.

ITEM A: Oscilloscope (4 GHz BW)

| Analog Channels Specification | Specifications |
|--------------------------------------|--|
| Benchtop instrument | Yes (Completely self-contained instrument with |
| | integrated display) |
| Analog HW Bandwidth (-3 dB)@ 50 Ω | 4 GHz |
| Bandwidth upgradability option (in | Yes (to 6 GHz or 8 GHz) |
| future) | |
| Input channels | 4 Analog Channels |
| Channel-to-Channel isolation | 30 dB or better |
| Vertical Resolution | 10 bits or better. |
| Effective Number of bits (ENOB) at 4 | ≥7.2 bits |
| GHz Bandwidth | |
| Time Base Accuracy | ≤ ±0.3 ppm |
| RMS noise (1mv/div, 1GHZ BW) | 175 uV or better (lower) |
| Rise time(10 % to 90%) @ 50 Ω | ≤ 110 ps |
| Input Sensitivity @ 50 Ω | 1mV/div to 500 mV/div or better |
| Max Input Voltage @ 50 Ω | 5 V(RMS) |
| Digital Channels | Yes Available. |
| Number of digital channels | 16 Digital Channels |
| Max. Waveform Acquisition Rate | >200,000 waveforms/sec update rate |
| Standard memory depth | >=2 Mpts on all 4 channels |
| Acquisition System | |
| Real Time Sample rate | Max.10 GSa/s on all 4 Channels or better |
| · | Max.20 GSa/s on 2 Channels or better |
| Segmented Mode | Max Realtime waveform acquisition rate is |
| | >300,000 waveforms/sec. |
| BW Limit Selections | 20 MHz, 200 MHz, 8001000 MHZ (any BW |
| | between is fine) and full BW. |
| Memory depth | >=200Mpts on Four Channels |
| Acquisition Modes | Real time, Segmented (or other equivalent) |
| | |

| | mode |
|---|---|
| Time Base | |
| Time base Range | 40 ps/div to 200s/div or better |
| Trigger System | |
| Smallest detectable glitch width | Better than 2 ns |
| Sweep Modes | Auto, Normal, Single, |
| Trigger Sources | Ch1,Ch2,Ch3,Ch4 |
| Trigger Modes | Edge,Width,Runt,Window,Timeout and Zone/Visual Trigger on at least 8 numbers of user defined zones/areas. |
| Serial bus Trigger | I2C,SPI,RS 232/UART |
| Jitter Analysis, CDR and power rail analysis software | yes |
| Other analysis software | I2C, SPI, UART, ETHERNET |
| Analysis & Measurement | |
| Waveform processing | Math functions, Gates, Waveform measurements, Voltage (scope channels), Time (scope), Mixed (scope channels only), Frequency domain, Eye-diagram measurements, Statistics, Histograms, Waveform Math, FFT |
| Display | |
| Touch Screen Display | Yes |
| Operating Voltage | 100 V to 240 V , 50 Hz |
| Operating Temperature | 5ºC to 40 ºC or better |
| Warranty | 3 year |
| Standard Probe to be supplied | Four 500 MHz passive probes. |
| RF probe | 4Ghz active differential probes with browser head with variable pitch 0.8mm to 4.5 mm (2 units) (or better) Ground lead should be supplied. Quantity: 2 UNITS |
| Probe positioner | 2 units (2 arms) |
| Product will be supported in the market for: | Next 5 years (Till Jan 01 2025) |

ITEM C: Oscilloscope (BW 500 MHz)

| Parameters | Specification |
|--|---|
| Benchtop instrument | Yes (Completely self-contained |
| | instrument with integrated display) |
| Analog Bandwidth | 500 MHz |
| Analog channels | 4 channels |
| Digital Channels | 16 |
| Vertical Resolution | >= 8 bits |
| Input Sensitivity | 1 mV/div to 1V/div (1 M Ω and 50 $\Omega)$ |
| Channel to Channel isolation | ≥ 100:1 at ≤100 MHz and |
| | ≥ 30:1 at >100 MHz to 500 MHz or |
| | better. |
| Time Base range | 1 ns/div to 50 s/div or better |
| Channel Deskew | ± 100 ns |
| Time Base Accuracy | ± 10 ppm + aging factor |
| Max Sampling rate | Better than 2.5 GSa/s all channel |
| Digital Channels | Yes Available. |
| Number of digital channels | 16 Digital Channels |
| Max. Waveform Acquisition Rate | >200,000 waveforms/sec update rate |
| Standard memory depth | >=2 Mpts on all 4 channels |
| Waveform arithmetic | Add, subtract, multiply, divide, |
| | differentiate, integrate, FFT, squared, |
| | absolute value, common logarithm, |
| | natural logarithm, max hold, min hold |
| Sampling Modes | Normal, Peak detect, Averaging, High |
| | Resolution |
| Interpolation | Yes available. |
| Smallest detectable glitch | better than 15 ns |
| Waveform Measurement category | Similar to waveform measurement |
| Connectivity | USB, LAN |
| AC Supply | 100 to 120 V, 50/60/400 Hz; 100 to 240 |
| | V, 50/60 Hz ± 10% auto ranging |
| Standard Probes | 4 Qty passive probes ships standard, 1 |
| | Qty16 channel MSO flying lead probe. |
| Warranty | 3 years |
| Additional probes | 500 MHz active probe differential 2 units. |
| Probe positioner | 1 unit (2 arms) |
| Product will be supported in the market for: | Next 5 years (Till Jan 01 2025) |

ANNEXURE II



CENTRE FOR INDUSTRIAL CONSULTANCY & SPONSORED RESEARCH (IC&SR) INDIAN INSTITUTE OF TECHNOLOGY MADRAS CHENNAI 600 036



ELECTRONIC CLEARING SERVICE (Credit Clearing)/ REAL TIME GROSS SETTLEMENT (RTGS) FACILITY FOR RECEIVING PAYMENTS A. Details of Account Holder

| Name of the Institution | Indian Institute of Technology - Madras |
|------------------------------------|---|
| Complete Contact Address | Industrial Consultancy and Sponsored Research Indian Institute of Technology-Madras, IIT- Madras Campus Post Office, Sardar Patel Road, Guindy, CHENNAI - 600 036 |
| Telephone No./ Fax No. | Tel - 044-22578355 / Fax - 044-22570545 |
| E- mail ID of the FO/AO/REG/DIR | dricsr@iitm.ac.in |

B. Bank Account Details:

| Institution Account Name (As per Bank | The Registrar, Indian Institute of |
|---------------------------------------|--------------------------------------|
| Record) | Technology - Madras |
| Account No. | 2722101001741 |
| Account Print Name | IIT F A/C , The Registrar IIT Madras |
| IFSC CODE | CNRB0002722 |
| Bank Name (in full) | Canara Bank |
| Branch Name | IIT-Madras Branch |
| Complete Branch Address | Canara Bank, |
| | IIT-Madras Branch, |
| | IIT- Madras Campus Post Office, |
| | Sardar Patel Road, |
| | Guindy, CHENNAI - 600 036 |
| MICR No. | 600015085 |
| Account Type | Savings Account |

Certified that the Institute's account is in an RTGS enabled branch. I hereby declare that the particulars given above are correct and complete.

Date:

Signature of the Competent Authori of the Institution with seal.

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



UTY REGISTEAR (IC&SR) (IC)



CENTRE FOR INDUSTRIAL CONSULTANCY & SPONSORED RESEARCH (IC&SR) INDIAN INSTITUTE OF TECHNOLOGY MADRAS CHENNAI 600 036



K VIJAYALAKSHMI DEPUTY REGISTRAR (IC&SR) 나

> Project Accounts July 5, 2019

TO WHOMSOEVER IT MAY CONCERN

In connection with project, US currency may be transferred to CANARA BANK, IIT – MADRAS Branch In connection with the following details.

FOR TRANSFER OF CURRENCY US DOLLAR

Please Credit in USD

(THROUGH)

JP MORGAN CHASE, NEW YORK SWIFT CODE: CHASUS33

For credit to

USD ACCOUNT No: 001 - 1395969, of CANARA BANK INTERNATIONAL DIVISION MUMBAI

For Further Credit to

ACCOUNT NO: 2722101001741 of IIT Chennai – Swift Code: CNRBINBBIIT OF THE REGISTRAR, IIT, MADRAS

DEPUTY REGISTRAR(IC & SR) i/c

This is to certify that particulars furnished are correct. Senior Managerenion MANAGER Senior Manager Manager Canara Bank - 117 Madras bray Manage SP No. 393

DEPUTY REGISTRAR (IC&SR) (I/c) IC & SR, I.I.T. MADRAS CHENNAI - 600 036