



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR KHARAGPUR – 721302

SUB:PROCUREMENT OF ACCESSORIES

Tender Notice No. IIT/EE/OTG/SM/ACC/2018-19/01 Date: 10.10.2018

Indian Institute of Technology Kharagpur, an Institute of National Importance, invites sealed quotations from reputed Original Equipment Manufacturers (OEMs) or their Authorized representatives & General Suppliers for the supply of **Accessories** for the Department of Electrical Engineering.

Interested vendors are requested to send their sealed bids under a **two cover system** as per requirement mentioned in tender document, along with the Technical Specifications & Compliance Certificate (as mentioned in **Annexure – I**) of the tender document.

Details are also mentioned in the Institute website www.iitkgp.ac.in [link: **Tenders**].

The proposal has to be sent in a sealed packet, containing two separate sealed envelopes (**Technical Bid** and **Price Bid**) duly superscripted with Reference Number (**Tender Notice No. IIT/EE/OTG/SM/ACC/2018-19/01**) Date: **10.10.2018**) to the office of Prof. Siddhartha Mukhopadhyay, Department of Electrical Engineering, Indian Institute of Technology, Kharagpur, P.O. Kharagpur Technology, PIN: 721302 **on or before 09.11.2018 at 3.00 pm.**

The **technical bids will be opened on 09.11.2018 at 4.00 pm** in the **Office of Prof. Siddhartha Mukhopadhyay, Department of Electrical Engineering, IIT Kharagpur** in the presence of the vendors/ or their authorized representatives. Price bids will be opened (to be notified separately) only of those firms, who will be found technically qualified/short listed, after evaluation of their technical bids.

Prof. Siddhartha Mukhopadhyay
PI, CNE_OTG, IIT Kharagpur

Encl: Annexure – I & II

Copy to:

1. Institute website
2. Jt. Registrar (Stores & Purchase)
3. CPP Portal
4. Chairman, Purchase Committee
5. Notice Board

Procurement of Accessories

It will consist of the accessories as per the specifications given in **Annexure I**.

TERMS AND CONDITIONS

1. Technical bid should contain all relevant technical details; printed technical leaflet of models quoted and other details, which may be necessary to ensure that the offer is complete in all respects, e.g., technical specifications, etc.
2. Technical bid should also contain a Compliance Certificate duly signed by the bidder.
3. PRICE may be quoted either in INR or in foreign currency. Where tenderer intends to quote in Indian Rupees (INR), the price should be quoted "FOR IITKharagpur" basis. The price should be all inclusive including GST. The unit price without tax and the tax breakups should be shown separately for each item (if applicable). Prices for software components, if any, must be shown as separate line items.
4. IITKharagpur is registered under DSIR, Govt. of India. GST rate for scientific goods is 5% as per the Notification No. 47/2017 - Integrated Tax (Rate) dated 14th November, 2017. Necessary certificate in this regard will be issued as per requirement and on request of the successful bidder. Where tenderer intends to quote in foreign currency FCA/FOB source port price by Air/Sea to be quoted. In case of comparison between FOR IITKharagpur (quoted in INR) and FOB/FCA price (quoted in foreign currency) 20% will be added on FOB/FCA price after conversion to INR.
5. IITKharagpur is eligible for exemption for payment of Customs Duties in terms of Government of India Notification No.51/96-Customs dated 23.07.96. Necessary certificate in this regard will be issued as per requirement and on request of the successful bidder.
6. Item wise L1Bidder will be decided based on the price of the item mentioned in the specification.
7. Payment Terms: 90% Payment shall be made after successful installation of the Equipment/System duly certified by PI, CNE_OTG. Balance 10% may be released against submission of Performance Bank Guarantee to the tune of 10% of the total purchase order value. The Performance Bank Guarantee shall be issued from any Commercial Bank, which must remain valid for a period sixty days beyond the expiry of the Warranty Period. Bid security will be refunded back on submission of performance Security. On behalf of the Principal, Indian Agent must be able to provide Performance Bank Guarantee.
13. Warranty: OEM warranty, at least 12 months from the date of successful installation of the equipment.
14. Delivery Period: The equipment should be supplied within 8 weeks from the date of receipt of the Purchase Order.
15. Liquidated Damage: In the event of failure to deliver the stores beyond the specified date, liquidated damages @ 1% per month or part thereof in respect of the value of stores will be deducted, subject to a maximum of 5%; alternately the order will be cancelled and the undelivered stores purchased from elsewhere at the risk and expense of the vendor.
16. Earnest Money Deposit (EMD): An amount of 5,000.00 (Rupees five thousand) only (Refundable) in the form of Demand Draft drawn in favour of "Indian Institute of Technology Kharagpur", payable at Kharagpur or Bank Guarantee as per format at Annexure-II is to be

submitted. E.M.D. should be enclosed separately in an envelope and stapled with the Technical Bid document superscribed with the tender no. The validity of the EMD should be 6 (six) months from the date of issue. Any bid without EMD will summarily be rejected. No interest is payable on EMD. EMD will be refunded to the unsuccessful bidder after finalization of the tender process. No interest is payable on Security Deposit. Security Deposit shall be forfeited if the selected vendor fails to execute the contract after receiving the same.

[NOTE: IITKharagpur will give exemption for submission of tender fee and EMD who are registered with MSME or Central Purchase Organization or startups as recognized by DIPP as per revised rule 170 of GFR-2017 only. However proper and valid document in this regard must be submitted by the bidders in support of their claim.]

17. Bid Submission: Technical Bid and Price Bid should be submitted in two separate sealed envelopes quoting reference number on the top of the envelope. Technical bid should have a copy of the price bid with costs blanked out. Tender Fee and EMD should be enclosed with the Technical Bid documents, in separate sealed envelopes, stapled with the packet containing Technical Bid documents.
18. Acceptance of Tender: The authority of IIT, Kharagpur reserves the right to accept/reject any or the entire tender bids received without assigning any reason thereof.
19. Conditional offer will not be accepted.
20. Period of Validity: Bids shall remain valid for acceptance for a period of 120 days from the date of opening of the price bid. The benefit of downward prices (revision on account of budget/financial policy, tax revision, etc.) should be given to IIT Kharagpur by the selected OEM/vendor.
21. Past performance of the vendors will be judged at the time of Technical Evaluation.
22. The Institute does not bind itself to offer any explanation to those bidders whose technical bids have not been found acceptable by the Technical Evaluation Committee of the Institute.
23. Bidders should enclose the following documents:
 - i. Earnest Money Deposit (EMD).
 - ii. Certificate of Registration/Trade License.
 - iii. PAN number and GST registration number.
 - iv. IT returns for the last three years.
 - v. Copy of product literature technical leaflet, wherever applicable for which the prices have been quoted should invariably be enclosed.
 - vi. Signed copy of the tender document, with company seal, agreeing to the terms & conditions and declaration.
24. **All tenders are to be submitted or handed over to the office of Prof. Siddhartha Mukhopadhyay, Department of Electrical Engineering, IIT Kharagpur.** The bids (technical and price bids) once submitted shall be the property of the Institute and shall not be returned to the vendor in future.
25. **The person/officer signing** the tender/bid documents should be delegated with an appropriate authority.
26. **Opening of Price Bids:** The Price Bid(s) of only those vendor(s) who are found technically qualified will be opened and the same will be opened before the technically qualified vendor(s). **The date for opening of price bids will be notified separately.**

27. Bidder or his/her authorized representative (with proper authorization letter for opening of technical bids and also for opening of price bids) may choose to be present at the time of opening of Technical Bids/Price Bids.
28. The addendum/corrigendum if any shall be published on Institute's Website and on CPP Portal.
29. The Institute at its discretion may change the quantity at any time before placing the order.
30. Copy of mandatory test reports, national testing/reliability and endurance test reports etc., certified or conducted at the manufacturing site, granted by the bureaus/quality control departments/national testing laboratories, as appropriate, should be enclosed.
31. Deviation from Specifications: It is in the interest of the tenderer to study the specifications in the tender schedule thoroughly before quoting so that, if the tenderer makes any deviations, the same are prominently brought out in the body of the tender. If you need to add any optional items to your system in order to meet our specifications, you are requested to quote for the total including the option required to suit our requirements. Otherwise, your tender will not be considered at all.
32. Guarantee: The tenderer has to declare that the goods sold to the buyer under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications.
33. Jurisdiction: All questions, disputes, or differences arising under, out of or in connection with the contract, if concluded, shall be subject to the exclusive jurisdiction at the place from which the acceptance of Tender is issued i.e. Jurisdiction of KOLKATA HIGH COURT. Acceptance to this effect is also necessary at the time of opening of Technical Bid.
34. Agency Commission, if any will be paid to the Indian agents in Rupees on receipt of the equipment and after satisfactory installation. Agency Commission will not be paid in foreign currency under any circumstances.
35. **Tenderer(s), who are Indian Agents of OEMs:**
- (a) Bidders should enclose / furnish the following documents / details:
- Port of shipment and Country of origin is to be provided for each item.
 - Purchase order to be placed on: Should be mentioned in the quotation with full address.
 - Complete address and tele links for contact persons of principals and Indian agent offices dealing with this purchase.
 - Name and full address of the OEM's Banker and their swift code.
- (b) Should furnish a clear declaration as follows: We declare that I am/we are Accredited Agents of the suppliers aboard. DGS&D enlistment certificate needs to be attached (applicable only for the Indian Agents)
37. **Important**
- (a) Abids submitted with false information will not only be rejected but also the OEM/vendor will be debarred from participation in future tendering process.
- (b) The OEMs/Vendors need to submit a certificate that they are not currently debarred or blacklisted in IIT Kharagpur for any supplies, products or services, or at present in any national organization or educational institute/university.
- (c) In case of any dispute, the decision of the Director of this Institute shall be final and binding on the bidders.
- (d) For any query pertaining to this bid document, correspondence be addressed to:

Prof. Siddhartha Mukhopadhyay,
Department of Electrical Engineering
Indian Institute of Technology, Kharagpur721302
siddhartha.mukhopadhyay@gmail.com / patrashamit@yahoo.com

- (e) In case the due date for submitting tender **happens to be a holiday, the same will be accepted on the next working day**. The timings will however remain unchanged.
Please Note that the Institute remains closed during Saturdays & Sundays.

Annexure I

Sl.	Item	Specification	Qty
1	NvidiaJetson TX2 Developer Kit	Mini-ITX Reference carrier board Jetson TX2 Module (NVIDIA Pascal™, 256 CUDA cores, HMP Dual Denver 2/2 MB L2 + Quad ARM® A57/2 MB L2, 8 GB LPDDR4, 32 GB eMMC) Fan and heatsink (pre-assembled) 5MP CSI camera module (with Omnivision OV5693) WiFi/BT antennas USB OTG adapter 19VDC Power brick AC Power cable	1
2	Auvideo J106 carrier board (rev 2)	Jetson TX2 compatible carrier board with six 2 lane CSI-2 connectors (15 pin FPC 1.0 mm pitch) Micro SD card 2 USB3 type A (10 pin micro USB3) UART 0 (3.3V TTL) (6 pin) - console access I2S digital audio (8 pin, up to 8 channels) Fan connector (4 pin) Mini HDMI out UART, Gb Ethernet, I2C, USB2, SATA, 4x PCIe and 1x CAN (on 3 motherboard connectors on the bottom) 4 pin 12 V power connector	1
3	TySOM-3 Development Board	Embedded development board (TySOM-3-ZU7EV) Dual-core/Quad-core ARM Cortex-A9 APU& 1GB DDR3 memory x4 automotive wide lens 192-degree HDR Blue Eagle cameras and 1x 52-degree 4x cable 60 Inches (1.5 meter) and 4x cable 200 inches (5 meter) FMC-ADAS with 5 camera connectors based on DS90UB914Q deserializers, ultrasonic and LIDAR sensor connectors and a buzzer device	1
4	R-Car Starter Kit Premier H3	Arm CA57 (Armv8) 1.5 GHz quad core, with NEON/VFPv4, L1 cache I/D 48 K/32 K, L2 cache 2 MB Memory controller for LPDDR4 4 GB in 2 channels, each 64-bit wide 64 MBytesHyperFlash 16 MBytesQSPI flash 8 GByteseMMC CN1 expansion connector 440-pin External power supply 5V / 4A-8A	1
5	DesignCore TDA3x Automotive Starter Kit	Texas Instruments TDA3x SoC Processor FPD-Link™ III video inputs (4) HDMI video display output HDMI video input Ethernet, CAN bus, and serial connectivity Single DesignCore D3RCM-OV10640-953 Rugged 194 degree 1.3MP Camera Module	1
3	Scanning Lidar	Full 360-degree field of view Range: 25m or more Sample rate: About 10000 per second or more USB/UART communication	1
5	4G LTE Shield	40 pin GPIO connection SIM tray inbuilt Work on all Indian 4G LTE Cellular band Minimum 100 Mbps down/ 50 Mbps up data speed	2

ANNEXURE – II

MODEL BANK GUARANTEE FORMAT FOR FURNISHING EMD

Whereas(hereinafter called the "tenderer") has submitted their offer dated for the supply of (hereinafter called the "tender") against the purchaser's tender Notice No.

KNOW ALL MEN by these presents that WE of having our registered office at are bound unto (hereinafter called the "Purchaser") in the sum of for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this Day of 20

THE CONDITIONS OF THIS OBLIGATION ARE

- (1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- (2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:
 - (a) If the tenderer fails to furnish the Performance Security for the due performance of the contract.
 - (b) Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)

Name and designation of the officer

Seal, name & address of the Bank and address of the Branch