



BIRLA INSTITUTE OF TECHNOLOGY
A Deemed University u/s 3 of UGC Act, 1956
MESRA 835215, RANCHI (INDIA)

Phone: 0651-2276030/2276290

Email : purchase3@bitmesra.ac.in

Website: www.bitmesra.ac.in

LIMITED TENDER ENQUIRY

BIT/PUR/LTE/EEE/24-25//IC000035/2024

DATE:02/07/2024

To,

M/s.

Dear Sir,

Subject: Request for Quotation for Procurement of SINGLE-PHASE HALL-EFFECT VOLTAGE AND CURRENT SENSOR CARD (V3) etc.

You are requested to submit most competitive rates(s) for the following item(s) as per details given below (Sealed Quotations may be sent by hand or by post):

Last date and time for submissions of complete Quotations by (Password protected) Email to ar.src@bitmesra.ac.in , purchase3@bitmesra.ac.in , or sealed quotations can be submitted to the under mentioned address.	09.07.2024 15:00 Hrs. (If all LTE Vendors submit the quotation prior to the submission date, the quotations will be opened prior to last date of submission.)
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Sr. N.	Item Description	Qty
1	SINGLE-PHASE HALL-EFFECT VOLTAGE AND CURRENT SENSOR CARD (V3) -Single Phase Sensor card with following features: 1.Isolated measurement 2. One voltage and one current sensing using Hall Sensors 3. 0-3V (peak-peak) output 4. Unipolar output with DCoffset 5.Suitable for interfacing with unipolar ADC channel 6. Auxiliary power supply and connectors for power connections. 7. Two or more cards can be cascaded together with expansion connectors when necessary. 8. Primary Voltage MeasuringRange VPN(V): 10-500 9. Primary Current MeasuringRange IPN(A): 0-30	02 Nos.
2	04 CHANNEL HALL CURRENT SENSOR CARD WITH POWER SUPPLY (V4I)- 04 Channel Hall Current Sensor card with following features: 1. Isolated measurement 2. 0-3V (peak-peak) output 3. Unipolar output with DC offset 4. Suitable for interfacing with unipolar ADC channel 5.Auxiliary power supply and connectors for power connections. 6. Two or more cards can be cascaded together with expansion connectors when necessary. 8. Primary Current Measuring Range IPN(A): 0~30 9. Common as well as individual offset setting 10. Accuracy at Ir, TA=25 (without offset) < 1% 11. Linearity from 0 to Ir,TA=25 <1%.	01 Nos



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3	<p>04 CHANNEL HALL VOLTAGE SENSOR CARD WITH POWER SUPPLY (V4V)- 04 Channel Hall Voltage Sensor card with following features:</p> <ol style="list-style-type: none"> 1. Isolated measurement 2. 0-3V (peak-peak) output 3. Unipolar output with DC offset 4. Suitable for interfacing with unipolar ADC channel 5. Auxiliary power supply and connectors for power connections. 6. Two or more cards can be cascaded together with expansion connectors when necessary. 7. Primary Voltage Measuring Range IPN(A): 10~500 8. Common as well as individual offset setting 9. Overall accuracy @IPN, TA=25 @±12~15V: ±0.9 %, ±15V (±5%): ±0.8 % 10. Linearity error <0.2 % 	01 Nos
4	<p>IGBT/MOSFET/SIC MOSFET DRIVER CARD WITH INFINEON DRIVER IC -The distinct features of driver card with protection are as following:</p> <ol style="list-style-type: none"> 1. Suitable for 600 V / 1200 V, 25 A devices 2. 2 A rail-to-rail output 3. Individual six channel isolated driving 4. Input pulses: CMOS 0-5 V or 0-3.3 V (Active high pulse) 5. Output pulses: Isolated +16/- 8 V 6. Shoot through protection 7. Short circuit protection with DESAT-detection 8. On board hardware dead time generator circuit (1.2 uSec) 9. 06 individual Fault and Ready indications 10. 06 SMPS for generating +16/-8 V isolated power supplies required for driver IC 11. Inhibiting all gate pulses during any abnormality/hardware error/FAULT condition 12. RESET to start gate pulses after clearing the FAULT. <p>Driver can be RESET via onboard switch or external reset pulse.</p> <ol style="list-style-type: none"> 13. Possible to generate 03 complement pulses from three input pulses 14. On board test points are provided for signals troubleshooting. 	01Nos
5	SINGLE PHASE INDUCTORS -Rating: 0-2-5-10mH/10A	04 Nos
6	CAPACITOR -Rating: 440V, 10 microF	05 Nos

Sealed Quotation may be submitted superscribed with reference number as appended hereunder:-

<p>Quotation for Supply of ---- Ref.No. BIT/PUR/LTE/EEE/24-25/IC000035/2024</p> <p>To, Asst Registrar (RDC) Birla Institute of Technology, Mesra, Ranchi, Jharkhand-835215.</p> <p>From,: M/s----- Address: ----- Contact No.----- Email ID -----</p>

1. Original bills in triplicate along with the warranty card will have to be issued by the party to whom order is issued.
2. HSN code of the material should be mentioned in quotation.
3. All entries in the quotation should be typed or computer printed without any ambiguity and should be free from correction etc. Hand written offers will be rejected.
4. Late and delayed tenders will not be considered. In case any unscheduled holiday occurs on prescribed closing date the next working day shall be the prescribed date of closing.



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5. The quotation should be submitted with descriptive literature & drawing. The make of the items offered should be clearly specified.
6. Material should be confirming to our specification. The deviations if any should be clearly indicated in the quotations.
7. Successful bidder has to furnish the OEM test certificates along with the materials (if applicable).
8. Rate /Price: The offered price shall be on **FOR BIT Mesra on Door Delivery basis**.
9. **No Advance payment will be considered at any circumstances.**
10. If offered Price Term is other than the FOR-Destination term, approximate Freight & forwarding charges along with the applicable Insurance charges may be mentioned.
11. GST and PAN certificate should be furnished along with quotations.
12. **Road Permit: The supplier shall arrange Road Permit on his own for transportation material to BIT Mesra and any additional tax liability on this account shall be borne and paid by the supplier.**
13. Purchaser will not pay separately for transit insurance/taxes (if any) and the supplier will be responsible until the stores arrive in good condition at the destination.
14. Warranty: Period of warranty should be clearly mentioned and also the parts covered under it. Warranty will be applicable from the date of successful installation.
15. Service Facility: Supplier must mention about the service set up in India & confirm effective after sales service.
16. BIT Mesra is not bound to accept the lowest or any quotation for whatsoever reason and reserve its right to accept or reject in whole or in part any or all the quotations received without assigning any reason.
17. Applicable taxes shall be quoted separately for all items and levies payable by the supplier under the contract shall be included in the unit price.
18. Each bidder shall submit only one quotation and sealed quotation to be submitted / delivered at the address. (Alternatively it can be email at purchase3@bitmesra.ac.in or ar.src@bitmesra.ac.in) or deliver by hand.
19. Training clause (if any)to be mentioned.
20. **Delivery period should be mentioned clearly in the quotation. If a firm accepts an order and fails to execute the order in full as per the terms and conditions stipulated therein, it will be open to this Institute to recover liquidated damages from the firm at the rate of 0.5% to 1% per week of the order value subject to a maximum of 10% of the order value.**
21. Conditional tenders will not be considered.
22. **Authorized dealership certificate should be submitted in case principal manufacturing company is not quoting directly.**
23. Copy of Purchase Orders for similar equipment supplied to any other organization desired.
24. Annual turnover of company for last 3 year / CA Certificate to be provided.
25. Declaration required by the vendor that the price quoted are lowest that I have supplied to any other organization.

Sd/
Assistant Registrar (RDC)
Birla Institute of Technology
Mesra- 835215, Ranchi.