सरदार वल्लभभाईराष्ट्रीय प्रौधोगिकी संस्थान, सूरत
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT
विधुत इंजीनियरिंगविभाग
ELECTRICAL ENGINEERING DEPARTMENT
SVNIT

No. EED/ SERB /2076/ 2021-22 **Date: 31/01/2022**

To,

Sub: Enquiry for Supply of **Hall Effect Voltage Sensors and Hall Effect Current Sensors**

Dear Sir,

You are requested to quote your prices for supply of stores listed overleaf. The quotations may be sent to the undersigned in a sealed envelope and subscribed as: "Quotation with reference to Enquiry No. EED/SERB /2076 /2021-22, dated: 31/01/2022" Your quotation should reach the undersigned on or before **20 /02/2022 at 5:00 PM.**

The quotations should be furnished with the following information.

1. The brand or make of each item should be specifically stated and wherever Necessary, Complete set of specifications and dimensions should be given.
2. If asked, samples are accompany the quotations or provide demonstration in the Department at any stage of purchase without claiming any financial benefits.
3. Sales tax, General tax, Central Sales tax, Custom duty, Insurance charges, Packing and Forwarding charges, if not included in the prices quoted, should be clearly specified.
4. This Special designed experimental setup is used for research purpose. So, concessional rate of GST is applicable.
5. The period of validity of the quotation should be at least **90 Days or more.** Offers subject to prior sale may please be avoided.
6. The delivery period is to be clearly mentioned in the quotation.
7. The mode of delivery of the stores may be mentioned. The delivery should be F.O.R. Surat or at the Institute.
8. All concessions available to an educational institution should be specified and also taken into account while quoting.
9. This Institute is located within the limits of S.M.C. & exempted from the paying of Octroi duty on incoming goods from outside limits of S.M.C.
10. This Institute is registered with the dept. of scientific & industrial Research (DSIR) for the purpose of availing custom duty exemption & central excise Duty Exemption and hence the certificate to this

effect will be issued wherever it is necessary on demand.

11. Payment is normally made by cheque drawn on the S.V.N.I.T. Branch Office of State Bank of India, Surat-395007 within a period of thirty days from the date of receipt of stores. If case of any official delay, any type of claimed extra payment will not be considered.
12. Your Specification & terms-conditions should be as per the format attached, must be on your company letterhead & signed by an authorized person.
13. Offered quotation may be rejected if any ambiguity is found in offered specification, terms & conditions supplied by party in specified tabular format.
14. Preference may be given to the supplier having status of authorized dealer of manufacturer, with a view to ensure reliable after sales service for the item.
15. Provide Photograph of quoted items with specifications and list of purchase order given by any agency/institute etc. with contact Number.
16. **Voltage and Current sensors should be of Hall Effect type.**
17. **Finally Items will be accepted after satisfactory performance in our laboratory according to our requirement.**
18. The Director reserves the right to accept stores, which are not strictly in confirming with the specifications but otherwise, found suitable.
19. The Head of Department /Director reserves the right to stop the purchase process at any stage.
20. An enquiry may send in the following address.

    To

    The Director,

    (kind attention, Head Electrical Engineering Department),

    Sardar Vallabhbhai National Institute of Technology (SVNIT), Dumas road, Ichhchnath, Surat-395007 (Gujarat)

    Ph 0261-2201561, 2201562 (office, EED)

Yours faithfully,

1/2/22

(Dr. Rajasekharareddy Chilipi)
Principle Investigator

Head, EED

PTO

Price List

Hall Effect Voltage and Current sensors

Sr. No.	Description	Specifications	Qty.	Make	Unit cost including all charges (in Rs.) without GST	Total cost (in Rs.) with GST
1.	Hall Effect Voltage Sensors	Voltage Measuring Range:10-500 V *Supply voltage (±5 %) ±12 ... 15 V* *Frequency bandwidth (−1 dB) DC ... 200 kHz* **Annexure-A**	16	LEM		
2.	Hall Effect Current Sensors	Current Measuring Range AC: -70A to 70A. *Supply voltage (±5 %) ±12 ... 15 V* Frequency bandwidth (−1 dB) DC ... 200 kHz **Annexure-A**	30	LEM		
				Total (in Rs.)		

Note: (1) Quote item cost/price including all type of charges and GST as separately.
(2) If required, please add extra pages with quotation and for details related to specification see attached annexure.
(3) Attached Photograph of above items (if possible)
(4) **Quotation will not be considered for further process without Compliance Report in form of ANNEXURE-B.**

Terms & Conditions

1.	Percentage of GST with certificate for research purpose	
2.	Percentage of GST without certificate for research purpose	
3.	Delivery Period	
4.	Validity of the quotation	
5.	Warranty/Guarantee	
6.	Make and model for each items	
7.	Other Terms & conditions	
8.	Submission of Compliance Report in **ANNEXURE-B**	**Yes/ No**

Place:

Date :

Signature and stamp of agency

ANNEXURE-A
Complete Specification/Details

Name of Items	Required specifications of Hall Effect Current Sensors
Hall Effect Current Sensors	*(1) Primary nominal RMS current 50 A* *(2) Primary current, measuring range 0 ... ±70 A* *(3) Secondary nominal RMS current 50 mA* *(4) Turns ratio 1 : 1000* *(5) Supply voltage (±5 %) ±12 ... 15 V* *(6) Frequency bandwidth (−1 dB) DC ... 200 kHz* *(7) Measuring resistance @ TA = 70 °C with ±12V supply @±70 A R_{min} =10 Ω and R_{max}= 50 Ω* *Measuring resistance @ TA = 70 °C with ±15V supply @±70 A R_{min} =50 Ω and R_{max}= 90 Ω* *(8) Response Time: 1µs* *(9) Total error @ 50 A Primary Current, T_A = 25 °C @ ±12 ... 15 V ±0.9 %* *(10) Ambient operating temperature −40 ... +85 °C* *(11) Galvanic separation between the primary circuit and the secondary circuit is mandatory.*
	Required specifications of Hall Effect Voltage Sensors
Hall Effect Voltage Sensors	*(1) Operating Voltage Range 10-500 V* *(2) Primary nominal RMS current 10 mA.* *(3) Primary current, measuring range 0 ... ±14 mA* *(4) Secondary nominal RMS current 25 mA* *(5)Turns ratio 2500 : 1000* *(6) Supply voltage (±5 %) ±12 ... 15 V* *(7) Measuring resistance with ±12V supply @±10 mA R_{min} =30 Ω and R_{max}= 190 Ω* *(8) Measuring resistance with ±15V supply @±10 mA R_{min} =100 Ω and R_{max}= 350 Ω* *(9) Total error @ 10 mA Primary Current, T_A = 25 °C @ ±12 ... 15 V ±0.9 %.* *(10) Ambient operating temperature −40 ... +85 °C* *(11) Galvanic separation between the primary circuit and the secondary circuit is mandatory.*

Place:

Date :

Signature and stamp of agency with contact details

ANNEXURE-B
Compliance Report submitted by Agency
Voltage and Current Sensors

Name of Items	Required specifications: Hall Effect Current Sensors	Estimated value according to standard/ attached Documents	Compliance Yes/No
	(1) Primary nominal RMS current 50 A		
	(2) Primary current, measuring range 0 ... ±70 A		
	(3) Secondary nominal RMS current 50 mA		
	(4) Turns ratio 1 : 1000		
	(5) Supply voltage (±5 %) ±12 ... 15 V		
	(6) Frequency bandwidth (−1 dB) DC ... 200 kHz		
	(7) Measuring resistance @ T_A = 70 °C with ±12V supply @±70 A R_{min} =10 Ω and R_{max}= 50 Ω Measuring resistance @ T_A = 70 °C with ±15V supply @±70 A R_{min} =50 Ω and R_{max}= 90 Ω		
	(8) Response Time: 1µs		
	(9) Total error @ 50 A Primary Current, T_A = 25 °C @ ±12 ... 15 V ±0.9 %		
	(10) Ambient operating temperature −40 ... +85 °C		
	(11) Galvanic separation between the primary circuit and the secondary circuit		
	Required Specifications of Hall Effect Voltage Sensors		
	(1) Operating Voltage Range 10-500 V		
	(2) Primary nominal RMS current 10 mA.		
	(3)) Primary current, measuring range 0 ... ±14 mA		
	(4) Secondary nominal RMS current 25 mA		
	(5) Turns ratio 2500 : 1000		
	(6) Supply voltage (±5 %) ±12 ... 15 V		
	(7) Measuring resistance with ±12V supply @±10 mA R_{min} =30 Ω and R_{max}= 190 Ω.		
	(8) Measuring resistance with ±15V supply @±10 mA R_{min} =100 Ω and R_{max}= 350 Ω.		
	(9) Total error @ 10 mA Primary Current, T_A = 25 °C @ ±12 ... 15 V ±0.9 %.		
	(10) Ambient operating temperature −40 ... +85 °C		
	(11) Galvanic separation between the primary circuit and the secondary circuit is mandatory.		

Place:

Date :

Signature and stamp of agency with contact details