

REF No: CSVTU/TEQIP/QUOTATION/2019-20/03



**Chhattisgarh Swami Vivekanand Technical University, Bhilai
(State Government owned)**

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QUOTATION FOR THE SUPPLY OF EMG MACHINE FOR RESEARCH HUB TO
CHHATTISGARH SWAMI VIVEKANAND TECHNICAL UNIVERSITY, BHILAI

YEAR 2019-20

LAST DATE FOR SUBMISSION OF QUOTATION: 15/07/2019 (Time: 5:00PM)

ELIGIBILITY CRITERIA & TECHNICAL CRITERIA

1. IMPORTANT DATES:

Sr. No.	Particulars	Date
1	Date of quotation Publication	08/07/2019
2	Document Download Start Date	08/07/2019
3	Closing date and time for Submission	15/07/2019 (Time 5:00 PM)
4	Opening of quotation	16/07/2019 (Time 1:00 PM)

Document can be downloaded from CSVTU website www.csvtu.ac.in

2. ELIGIBILITY CRITERIA:

1. Original Manufacturer are eligible to participate in the quotation provided:

- i. They have valid manufacturing license.
- ii. ISO 9001 / 13485 certificate
- iii. CE certificate.

Or

Authorized Distributor are eligible to participate in the quotation provided, they have

- i. Authorization from the original manufacturer for the items quoted & self-declaration for being authorized.
- ii. ISO 9001/13485 certificate of original manufacturer.
- iii. CE certificate original manufacturer.

a) The Firm should attach Firm Incorporation Certificate, PAN details and GST details.

b) The Firm should give Self declaration certificate for acceptance of all terms & conditions of quotation. A duly completed certificate to this effect is to be submitted as per the Annexure-I.

c) The firm should be neither blacklisted by any Government Dept., nor is any criminal case registered / pending against the firm or its owner / partners anywhere in India. A duly completed certificate to this effect is to be submitted as per Annexure-II

d) The company should attach list of Purchase Order / Work Order where the similar type of work executed during the last 3 years. The details of the same along with supporting document are to be submitted as per the Annexure-III.

e) Annual Turnover should be at least 18 Lakhs during each of the previous three financial years (2015-16 to 2017-18). Copies of duly signed profit & loss accounts are to be submitted as per the Annexure-IV.

3. SCHEDULE OF REQUIREMENT

S.N	Equipment Name	Qty	Specifications
1.	EMG Machine	01	<p>Specification</p> <p>Electromyographs detect, process, and record the electrical activity of the skeletal muscles. Electromyographs test the functional ability of peripheral nerves by using integral stimulators to measure nerve conduction velocity (NCV), the rate at which a nerve can carry a signal from the point of stimulus by an electrode to the muscle that it innervates. EMG System complete with EP recorders and all software and hardware is required.</p> <p>The machine should have</p> <ol style="list-style-type: none"> 1. Minimum 4 channel system with optical isolation with Ethernet connection for connecting to either to desktop system or laptop system for portable use. 2. Motor NCV with automatic marking 3. Sensory NCV with automatic marking 4. F wave with split screen display with automatic marking of F responses showing the Max 5. F, Min F and % F values. 6. H reflex & Blink reflex 7. Repetitive nerve stimulation 8. Insertional/Spontaneous EMG recording for minimum 600 secs on hard disk or unlimited buffer storage 9. EMG replay of minimum 600 sec of stored data from hard disk with audio and store in 10. AVI format for review on any Windows Media Player PC.

			<ol style="list-style-type: none"> 11. Single Motor unit Analysis. 12. Sympathetic skin response 13. Somato sensory evoked potentials (Upper, lower , Dermatomes) 14. RR Interval program with programs for stand/sit/supine position & Heart rate variability calculations 15. Auditory evoked potentials: BAER , AEP programs 16. The software should have facility to measure the Patient Hearing Threshold before running the BERA test. 17. The software should be capable of Grand averaging of the responses for better signal quality for BERA recordings. 18. Auditory headphones with clicks, bips and tones 19. Visual evoked potentials: Pattern reversal VEP 20. 16" VEP monitor for visual evoked potential Common mode input impedance > 1000Mohm 21. Low filter to be varied from 0.05 Hz - 500Hz or Higher 22. High filter to be varied from 30Hz - 5KHz or Higher 23. Gain to be varied from 0.5 ms/div to 1000 ms/div 24. Constant current stimulator with current variable from 0 to 100mA with increments of 25. 0.5mA and pulse duration to be varied from 50µs - 1000µs with 50µs increments. Software adjustable notch filter 26. The electrical stimulator should have controls for stimulus delivery, intensity, store, reverse polarity button and two programmable buttons preferred by user 27. The base unit of the system should provide all the controls for performing the test, switching to other test protocols and review of the test with control knobs for sensitivity, gain, marking cursors, pulse width etc.In-built comprehensive nerve/muscle directory
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			<p>28. Automatic report generation and grammatically frame the sentences and print in the report.</p> <p>29. The software should be supplied with Normative data for computation and online comparison with test values</p> <p>30. The software to have facility to quickly review the complete summary of the all the acquired traces and tabulate the results without need to go in each and every test protocol.</p> <p>31. The software should have also facility for Left vs Right comparison in NCV,F,H and Evoked potential tests.</p> <p>32. The software should have Live monitor window to view the raw signal of the data before acquiring or storing on the system.</p> <p>33. The system should be supplied with branded i3 or better Processor 2.7 GHz, 2GB RAM, 500 GB Hard Disk, 15” flat panel TFT /LCD monitor, DVD Writer, Laser Printer, UPS and CVT, Trolley & Electrode starter kit.</p> <p>34. The system should have Quantitative EMG with Multi MUP, Interference pattern with online cloud plot, Single fiber EMG with Histograms, Motor unit number estimation, P300, Reflex hammer, Skin temperature probe. complete set of electrodes ,Amplifier and up to 2 electrical stimulators, AEP click stimulator with headphones,</p> <p>35. Should have facility of recording and analysis of EMG data for research purpose</p>
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4. SITE VISIT:

The bidders in their own interest at their cost are advised to visit, inspect and examine the existing i.e site.

5. PACKING:

Packing Goods processed and supplied against this order must be properly packed and dispatched conforming to special instructions, if any, given for safe transport by road/rail/air/water to the specified destination. In case of dangerous goods, the Supplier shall submit details of packing and transportation plan to Purchaser for confirmation prior to shipment.

6. PRICE:

a) Prices for goods supplied to be quoted which includes all custom, excise duties, sale and other taxes. All price are inclusive. Supply of goods/ items on FOR destination basis.

b) The price shall be quoted in INR.

7. TERMS & METHODS OF PAYMENT:

No advance payment is payable. Payment terms should be 90% payment after delivery, installation, commissioning to the consignee and balance 10% after performance acceptance of the goods.

8. REJECTION/ REMOVAL OF REJECTED GOODS & REPLACEMENT:

(a) Buyer shall have the right to reject the goods whether in full or parts which are not delivered in accordance with the terms of the PO.

(b) Within fifteen days from the receipt of the intimation from the Buyer of his rejection to accept the goods the Seller shall remove, at his own cost, the rejected goods from the Buyer's works or wherever such goods are lying. The Buyer shall not be in any way responsible for or be held liable for any loss or deterioration of the rejected goods shall be at the Seller's risk entirely. The Seller shall pay to the Buyer reasonable storage charges for storing such rejected goods for a period exceeding 15 days as aforesaid.

9. PERFORMANCE SECURITY DEPOSIT:

(a) Performance security should be an amount of 5% of the value of each purchase order (valid till 30 days after the date of expiry of defect liability period or the guarantee/ warranty period as the case may be). Performance security may be furnished in form of an account payee demand Draft/FDR/BG. Performance security is to be furnished within 10 days after notification of the award / PO as per Annexure V.

(b) The performance security deposit may be forfeited in case any terms and conditions of the contract are infringed or the bidder fails to make complete supply satisfactorily or complete the work within the delivery/completion period agreed in the contract without prejudice to the purchaser's right to take further remedial actions in terms of the contract and bidding documents which formed part of the contract.

10. LIQUIDATED DAMAGE & PENALTY:

The entire ordered quantity shall be supplied within 45th day from the date of purchase order from the authority. Goods supplied after the stipulated date i.e. 45 days will be penalized with 0.2% per day and maximum 10% of PO which will be deducted from the value of delivered goods during this tender as "Liquidated Damage".

11. SUPPLY CONDITIONS:

The entire ordered quantity shall be supplied within 45th day from the date of purchase order. The supplier should complete the ordered quantity before 45th day of purchase order for which LD will be charged. On completion of 95 days from the date of purchase order, the purchase order will be deemed to be cancelled with penalty charge of 10 % of PO value for unexecuted quantity & no supply for the balance ordered quantity would be accepted by CSVTU.

For deliveries involving installation, commissioning or services the transfer of risk occurs on acceptance, the transfer of risk shall be borne by bidder.

12. INSURANCE: Supplier shall at its own expense take out and maintain a general liability insurance and a product liability insurance during the term of the Agreement and/or Purchase Order.

13. VALIDITY OF QUOTATION:

The bid shall be valid for a period of 60 days from the date of opening of Quotations and prior to the expiry of the validity, the purchaser may request the Quotation to extend the validity for further period as deemed fit.

14. WARRANTY/DEFECTS LIABILITY PERIOD:

a) The supplier shall warrant comprehensively that the equipments supplied under the contract is new, unused and incorporate all recent improvements in design and materials. All losses due to defects resulting from faulty design, materials and workmanship during the warranty period (3 years) shall be compensated by the supplier at own cost.

b) In case of any defects detected in items under warranty, the users shall notify authority about the same. Authority shall promptly notify the supplier in writing for any claims arising from such defects. If the defect is not rectified by the supplier within 15 days, authority shall take necessary actions to claim compensation at the supplier's expense.

15. COMPREHENSIVE MAINTENANCE CONTRACT (CMC):

a). The Supplier shall indicate clearly the free guarantee maintenance of the whole system supplied by the Supplier and the same should not be less than 3 years.

b). The Supplier shall also indicate separately post guarantee maintenance cost of the entire system for 3 years subsequent to free maintenance period and shall clearly indicate year wise maintenance cost which should include cost of spares required for each year, in addition to comprehensive maintenance charges.

c) The scope of comprehensive Annual Maintenance Contract shall include replacement of all parts without any exclusion. The supplier shall undertake Preventive Maintenance Service on half yearly basis and attend to all break-down maintenance calls.

16. STANDARD GST CLAUSE –The Seller shall provide a proper invoice in the form and manner prescribed under GST Invoice Rules containing all the particulars mentioned therein. In the event that the

Seller fails to provide the invoice in the form and manner prescribed under rules, Buyer shall not be liable to make any payment against such invoice.

17. FORCE MAJEURE: If any force majeure circumstances arise, each of the contracting parties be excused for the non-fulfillment or for the delayed fulfillment of any of its contractual obligations, if the affected party within 15 days of its occurrence informs in a written form the other party. "Force Majeure" events means riots, mutinies, wars, fire, storm, tempest or other exceptional natural calamities events.

18. FRAUD AND CORRUPTION: If the Purchaser determines that the Supplier has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract /PO, Purchaser may, after giving 7 days notice to the Supplier, cancel the contract / PO.

19. ARBITRATION: Any dispute arising out of or in connection with the PO shall be settled by Arbitration in accordance with the Arbitration and Conciliation Act, 1996. The arbitration proceedings shall be conducted in English in Durg C.G. by the sole arbitrator appointed by the Buyer. The cost of arbitration shall be shared equally between the parties unless decided otherwise by the arbitrator.

20. DISPUTE & JURISDICTION: All disputes shall be subject to the exclusive jurisdiction of the court in Durg C.G. only or as provided in the PO/Order.

21. CANCELLATION: The purchaser may cancel a contract / purchase order at any time by giving the supplier 7 days' written notice.

22. OTHER CONDITION:

a) CSVTU reserves the right to accept or reject any or all the quotation in part or in full, without assigning any reason thereof.

b) CSVTU reserves the right to relax / amend / withdraw any of the terms and conditions contained in the quotation without assigning any reason thereof. Any inquiry after submission of the quotation will not be entertained.

c) Bill / Invoice should be made in triplicate in favour of Registrar, CSVTU Bhillai

c) CSVTU may issue corrigendum to quotation before due date of Submission of website only. The supplier are advice to regularly visit the website till the award of PO.

Annexure -I

To,

The Registrar

CSVТУ, Newai, (Bhilai)

Dist- DURG, (C.G.)

Sub: - Self Declaration Certificate

Ref: - Quotation No. _____ dated: _____ (.....)

Dear Sir,

With reference to the above, I am/ We are offering our competitive offer for quotation of....., I / We hereby reconfirm and declare that I / We have carefully read, understood & complying the above referred quotation including instructions, terms & conditions, specifications, schedule of quantities and all the contents stated therein. I / We also confirm that the rates quoted by me / us are inclusive of all taxes, duties etc., applicable as on date and are FOR CSVТУ, and free delivery, unloading at CSVТУ.

We certify that the rates of items quoted are reasonable and less than the prices charged by us to wholesalers or for institutional supplies in last six months. We also confirm that we will not supply the quoted item in lower rate to any organization during validity of contract if contract is awarded.

Date:

Authorized Signatory

Name:

Place:

Designation:

Contact No.:

Annexure -II

CERTIFICATE

(Rs. 100 Stamp paper)

We/I hereby certify that the above firm neither blacklisted by any Central/State Government/Public Undertaking/institute nor is any criminal case registered / pending against the firm or its owner / partners anywhere in India. We/I also certify that the above information is true and correct in any every respect and in any case at a later date it is found that any details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm blacklisted.

Date:

Authorized Signatory

Name:

Place:

Designation:

Seal:

Contact No.:

Annexure-III

Purchase Order Details:

S. No.	Criteria	Name of the Purchaser & PO date	Remark
1	List of Purchase Order / Work Order where the similar type of Work executed by you during the last 3 years		Supporting Documents are to be attached
2			
3			

Date:

Authorized Signatory

Name:

Place:

Designation:

Contact No.:

Annexure- IV

Annual Turnover Certificate

Criteria		Remark
Bidder's Annual Turnover for	Financial year	Turnover in Rs.
	2017-18	
	2016-17	
	2015-16	
		Supporting Documents are to be attached

Note:- The above information is correct and true and verified from audited Balance Sheet and The turnover of other than participant will not be accepted.

CHARTERED ACCOUNTANT
(With membership no.)
Authorized Signatory & seal

Date:

Annexure-V

Performance Security Bank Guarantee (Unconditional)

To: CSVTU Bhilai (Name of Purchaser) WHEREAS..... (Name of the Supplier) herein called “the Supplier” has undertaken, in pursuance of quotation No.(Insert quotation Ref No. & Date).to supply of for the year 2019-2020. (Description of Goods and Services) hereinafter called “the Contract”. AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Supplier’s performance obligations in accordance with the Contract. AND WHEREAS we have agreed to give the Supplier a Guarantee THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, upto a total of (Amount of the Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limit of (Amount of the Guarantee in Words and Figures) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein. This guarantee is valid until the day of 20..... (two years from date of signing of contract) (Signature with date of the authorized officer of the Bank)..... Name and designation of the officer.....

Annexure-VI

PRICE BID FORMATE

S. No	Item name	Basic Price Rs.	GST %	GST Amount Rs.	Total (3+5)	CMC Cost for 1st Year after Warranty (include GST)	CMC Cost for 2st Year after Warranty (include GST)	CMC Cost for 3st Year after Warranty (include GST)
1	2	3	4	5	6	7	8	9

Note:- L1 rate will be decided on Total Cost (column no.6)