

Invitation to Tender

"Through CPP Portal"

**GOVERNMENT OF INDIA
CABINET SECRETARIAT
(Special Protection Group)**

Tender No.14/18/12/36/2019/Prov-22505/544- Dated, the 21 JAN 2020 January 201

Director, Special Protection Group, on behalf of President of India, invites procurement tender under two-bid system (Technical & Commercial Bid) for supply following **"Physiotherapy Equipment (Non VMS)"** having minimum pre-qualification criteria set out in the tender document. The details of equipments are as under:

S/No.	Name of equipments	Qty required	Remarks
1.	Microwave Diathermy Unit	01	
2.	Portable Shockwave Therapy Unit	01	
3.	Combination Therapy Unit (Electrotherapy and Ultrasound Therapy)	01	
4.	Targeted Radiofrequency Therapy Unit	01	

Important Tender Details.

1.	Earnest Money Deposit (EMD)	Rs. 70,000/-
2.	Date from which tender documents can be downloaded.	22/01/2020 (1000 hrs)
3.	Date and venue of pre bid conference	04/02/2020(1600 hrs) (Venue of meeting as mentioned at SI No. 7)
4.	Last date of downloading tender documents	11/02/2020 (1500 hrs)
5.	Last date and time for uploading bids	11/02/2020 (1600 hrs)
6.	Date and time for opening of tender/technical bid	12/02/2020 (1600hrs)
7.	Address of communication	Asstt. Inspector General (Prov) Special Protection Group, SPG Complex, Sector-8, Dwarka, New Delhi- 110077. Tel - 011-25090554 & Fax - 011-25090682

2. The complete tender document is available on the website www.spg.nic.in or www.eprocure.gov.in. Interested bidders may visit above websites and download the tender documents. Tender documents will not be issued manually.

3. If you are in a position to quote for the supply of these stores, please complete the information called for as per tender documents and submit along with your quotation through e-procurement site <http://eprocure.gov.in>. Incomplete tender enquiry is liable to be ignored/rejected.


Asstt. Inspector General (Prov)

S/No.	INDEX	Page Nos.
1.	Introduction, Time lines and pre-qualification criteria	1-2
2.	Terms & Conditions of the Tender	3-8
3.	Submission of Bid	9
Annexure-I	Certificate of Acceptance of all Terms & conditions	10
Annexure-II	Technical Bid and Evaluation Criteria	11
Annexure-III	Commercial Bid and Evaluation Criteria	12
Annexure-IV	Proforma for performance Bank Guarantee	13
Annexure-V	Technical Specifications	14-16
Annexure-VI	Schedule of price	17

1. **INTRODUCTION**

(A) The Special Protection Group (Cabinet Secretariat), SPG Complex, Sector 8, Dwarka, New Delhi-110077 intends to e-procure following Physiotherapy equipments from the eligible & reputed domestic tenderers. The details of physiotherapy equipments are as under:

S/No.	Name of equipments	Qty required	Remarks
1.	Microwave Diathermy Unit	01	
2.	Portable Shockwave Therapy Unit	01	
3.	Combination Therapy Unit (Electrotherapy and Ultrasound Therapy)	01	
4.	Targeted Radiofrequency Therapy Unit	01	

Technical specification of the above Physiotherapy equipments is attached with the Tender as **Annexure-I**.

(B) On line offers in TWO BID SYSTEM (i.e. Technical bid and commercial/Financial bid) are invited from interested OEMs, their exclusive & authorised distributors fulfilling the terms and conditions set forth in the tender document. Bidders must have after sales service in Delhi.

(C) The tender document may be read carefully. Offers received without requisite documents/certificates as asked under pre-qualification criterion and other clauses of tender, are liable to be rejected.

(D) Bidders are advised to keep note of time required for preparation of Entry pass at the gate and come to deposit EMD well in advance so as to reach well before specified time of closing.

2. Pre-qualification criteria

Documents connected with fulfilment of pre-qualification criteria must be furnished with technical bid.

Pre-qualification criteria for bidders are as under:-

(a)	Domestic Tenderers :-
(i)	The bidder should be a registered firm/concern or a company registered under the Companies Act, 1956 or registered with various taxation authorities. Copies of registration certificate should be uploaded along with Technical Bid.
(ii)	The bidder should have an average annual turnover of at least Rs. 35 Lakh during the preceding three financial years i.e. 2016-17 , 2017-18 & 2018-19. In this regard, copies of relevant annual account (audited balance sheet and profit-loss account only) duly authenticated by Chartered Accountant/ Cost Accountant should be uploaded.
(iii)	The bidder should have executed with Govt./PSU/Autonomous body supply orders aggregating Rs. 35 Lakh with at least one supply order of Rs. 18.00 Lakh for same/ similar type of item in last three years. Copies of supply orders clearly indicating value of orders should be uploaded.
(iv)	Authorised distributors of foreign OEMs must submit the valid authorisation and agreement with their foreign OEMs. Note: Indian distributors of foreign OEM must submit documents of its own firm to meet pre-qualification criteria. Copies of financial statements/supply order of their principals will not be considered.

3. Terms & Conditions of the Tender:

(1)	<p>Earnest Money Deposit (EMD): The Bidders have to deposit an amount of Rs. 70,000/- in the form of Demand Draft/Fixed Deposit Receipts/Bankers Cheque/Bank Guarantee drawn in favour of "Director of Accounts Cabinet Secretariat, Spl Wing, SPG" payable at New Delhi, towards the EMD along with the tender. Foreign bidder may submit EMD through their Indian representative/firm with agreement duly signed by both the parties and the EMD will be returned to the same firm. Earnest Money should reach to O/o AIG (Prov), SPG on or before end of date of e-bid submission, failing which offer will be liable for rejection. Bidders, however, have to attach scanned copies of Earnest Money documents along with their e-tender. EMD of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. The EMD of the successful bidder will be forfeited if it fails to execute the contract or fails to submit requisite performance security deposit with prescribed time limit given in TE/AT. The EMD of the unsuccessful bidders will be returned after finalization of the tender. The EMD will not carry any interest. The tenders without accompanying the EMD amount will be summarily rejected. Firms who are registered with NSIC/MSME or Startups recognized by DIPP for similar nature of stores for which they are registered, are exempted from payment of EMD. Such tenderer must submit a copy of registration with the NSIC/MSME/ Startup recognition from DIPP with e-bid.</p>
(2)	<p>Evaluation of price bid: L-1 will be decided by taken in into account total cost of the equipment including statutory taxes and duties.</p>
(3)	<p>Cost of stores may be quoted as per annexure-VI under commercial bid.</p>
(4)	<p>Performance Security/Security Deposit: The successful bidder is required to deposit 10% of the contract value within 30 days from the date of issue of AT (purchase order) in the form of Demand Draft/Fixed Deposit Receipts/Bankers Cheque/Bank Guarantee from any scheduled commercial bank in India in favour of "Director of Accounts Cabinet Secretariat, Spl Wing, SPG" payable at New Delhi, towards the Security Deposit, which must be valid for a period 60 days beyond completion of all contractual obligations, including warranty period. In case of performance Security in the form of BG, it is to be submitted by the bidder in the form at Annexure-IV. If the successful tenderer fails to submit performance security within the prescribed time, its EMD will be forfeited and contract may be cancelled unilaterally. PBG will be released only after meeting all the contractual obligations including warranty period.</p>
(5)	<p>Validity of Offer: Offer should be valid for at least six months from the date of opening of technical bid.</p>
(6)	<p>Payments Terms:- All payments will be made against delivery of Stores in full, good and satisfactory conditions, after successful installation and meeting all the terms and conditions of Tender Enquiry. All payment will be made after applying the tax deductions at source, if applicable. The payment to the foreign firm quoting directly will be made through Wire Transfer through their bankers after acceptance of stores.</p>

(7)	Place of Delivery: SPG Dispensary, SPG Complex, Sector -8. Dwarka, New Delhi-110077.
(8)	Delivery Period: Six weeks from the date of issue of supply order/AT.
(9)	Pre-Delivery Inspection:- Pre-delivery inspection before acceptance will be done at the place of delivery.
(10)	<p>Warranty: Warranty will be for 3 years from the date of technical acceptance of store for manufacturing defects or insufficient workmanship with total replacement during warranty period.</p> <p>The firm should send their representative for repair work within 24 hours of complaining the report and make serviceable within 48 hours during warranty period. Non compliance shall attract LD @ 0.5 % of contract value of faulty equipment per day up to maximum of 10% of the contract value of faulty equipment which will be deducted from the Performance Security Deposit.</p>
(11)	AMC : Not required.
(12)	<p>Extension of Delivery period- If the supplier is unable to complete the supply within the stipulated delivery period for which the supplier is responsible, it (supplier) is required to request for extension of delivery period. If the purchaser agrees to extend the contractual delivery schedule, the same will be done by issue of an amendment to the contract with suitable denial clauses and with imposition of liquidated damages for delay. The amendment letter will contain, <i>inter alia that</i>, in addition to imposition of liquidated damages, no extra price or additional cost for any reason whatsoever beyond the contractual cost will be paid to the supplier for the delayed supply; at the same time, if for any reason, whatsoever the cost of the goods to be supplied/services to be performed by the supplier decreases that benefit will be passed on to the purchaser. Supplier is required to submit unconditional acceptance of the amendment by a specified date mentioned therein and if the supplier does not agree to accept the amendment letter, further action will be taken in terms of the contract.</p>
(13)	<p>Despatch of Goods after expiry of Delivery Period- As per the contract terms, the supplier is not to supply the goods when there is no valid delivery period. In case the supplier makes any supply after expiry of delivery period, the purchaser/consignee can reject the supplies and inform the supplier accordingly; the purchaser shall also have the right to cancel the contract (w.r.t. unsupplied goods) in terms of the contract.</p>
(14)	Franking Clause
	<p>a)Franking Clause in the case of Acceptance of Goods:-</p> <p>"The fact that the goods have been inspected after the delivery period and passed by the Inspecting Officer will not have the effect of keeping the contract alive. The goods are being passed without prejudice to the rights of the purchaser under the terms and conditions of the contract".</p> <p>b)Franking Clause in the case of Rejection of Goods:-</p> <p>"The fact the goods have been inspected after the delivery period and rejected by the Inspecting Officer will not bind the purchaser in any manner. The goods are being rejected without prejudice to the rights of the purchaser under the terms and conditions of the contract".</p>

(15)	Liquidated Damages : If the Contractor fails to deliver the Stores within the prescribed Delivery Period, the Purchaser has the right to recover liquidated damage equivalent to 0.5% per week or part thereof of the contract value of delayed stores from the Contractor subject to a ceiling of 10% value of delayed supplies/services.
(16)	Training: One week training to the Physiotherapist and two assistants(Combined) will be given by the Firm at the time of supply..
(17)	Installation and commissioning:- Installation & Demonstration of the stores should be made by the technical expert of the concerned firm free of cost. No extra charges in any respect will be paid by SPG.
(18)	Currency:- Bidders are to quote and accept their payment in Indian currency.
(19)	<p>Cancellation of Contract:- The purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, terminate the contract in whole or in part:-</p> <p>a) If the supplier fails to deliver any or all of the stores within the time period(s) specified in the contract, or any extension thereof granted by the Purchaser; or</p> <p>b) If the supplier fails to perform any other obligation under the contract within the period specified in the contract or any extension thereof granted by the purchaser.</p> <p>In the event the purchaser terminates the contract in whole or in part; the purchaser may take recourse to any one or more of the following action.</p> <p>a) the Performance Security is to be forfeited;</p> <p>b) the purchaser may procure, upon such terms and in such manner as it deems appropriate, stores similar to those undelivered, and the supplier shall be liable for all available actions against it in terms of the contract.</p> <p>c) however, the supplier shall continue to perform the contract to the extent not terminated.</p>
(20)	<p>Contract termination / splitting / rejection clause:</p> <p>SPG reserves the right to terminate the contract, split orders, accept or reject any quotation alter any or all of the terms and conditions any time if the execution of work is unsatisfactory or the time schedule is not strictly adhered to. The decision of SPG in respect of evaluation of bids and / or award of contract shall be final.</p>
(21)	SPG reserves the right to reject any or all tenders without assigning any reason.
(22)	Conditional offers and non-conformity of the terms and conditions and offers not submitted as per the details, will be rejected.
(23)	It is the responsibility of the successful bidder to pay all statutory taxes i.e. GST etc. relating to the contract with the concerned Govt. authorities. If however, the supplier receives any refunds of such duties and taxes subsequently, he will forthwith deposit the purchaser's share (for which he has already been paid) immediately, failing which suitable action will be taken against the supplier as per the law in force.
(24)	The firm should certify that OEM as well as bidding firm has not been blacklisted / debarred from any Govt organisation/PSU.
(25)	Manufacturing: - Manufacturing date (indicating month and year) of the items should be mentioned. Date of manufacturing of the above equipments should not be more than 180 days from the date of issue of Purchase Order/AT.

(26)	Clarification regarding Tender documents: Ordinarily no occasion for clarifications should arise as all matters are clarified in the tender document itself. However, the clarifications, if any, the same may be sought during pre-bid conference only by the bidder firms and decision taken thereon by SPG will be final. Thereafter no representation will be entertained.
(27)	<p>Amendment of Tender Document:</p> <p>At any time up to the last date for receipt of bids, SPG may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Tender document by an amendment and extend date of submission of bids.</p> <p>The amendment, if any, will be notified through CPP Portal.</p>
(28)	The information to be submitted by the bidder should be as per the description given in this document.
(29)	<p>No commitment to accept best or any other offer:- SPG shall be under no obligation to accept the best or any other offer received in response to this tender notice and shall be entitled to reject any or all the bids including those received late or incomplete bids without assigning any reason whatsoever. SPG will not be obliged to meet and have discussions with any bidder, and / or to listen to any representation. While the above procedures lay down the overall guidelines, SPG reserves the right to select the bidder based on other parameters at its discretion.</p>
(30)	There should be no overwriting in the bidder's offer. If required, by scoring out entries and writing afresh, the bidder can make corrections. The initials of the bidder's authorised person and the seal of the bidder's company must verify each correction. All rates given in this tender must be expressed as numerals and words. In case of any discrepancies, the price in words will be taken as correct.
(31)	No alteration in the terms and condition or offer will be allowed during the consideration of the tender. However, SPG reserves the right to negotiate the offer with the successful bidder before signing of the contract.
(32)	<p>Non-Disclosure Condition: The firm is required to furnish the following undertaking in original on its official stationery duly signed and stamped by an authorized signatory. This document should be supported by some documentary evidence in order to establish that the signatory has sufficient administrative and/or legal authority within the company to enforce this condition effectively</p> <p>I/We hereby assure and undertake that no part of this document and final contract with SPG shall ever be revealed to any third party, domestic or foreign, in any form, oral or written, partial or full, technical or financial, without obtaining prior written permission of SPG or unless required by the law of the land and it is my/our responsibility to take necessary measures, legal or otherwise, to ensure that this condition is honoured by all including our local representative/s, distributor/s or agent/s, if any.</p>

(31)	Anti-Corruption Notification: Giving and taking bribe is a serious offence in the Republic of India. It is therefore unambiguously notified to all concerned that any money or favour demanded by anyone in any form or kind, in connection with your present or future business with SPG, on behalf of the organization or any individual working in the organization or anywhere else, shall be totally unfounded, baseless and illegal. Such suggestion or demand shall be refused forthwith and reported immediately to SPG.
(32)	Arbitration: In case of any dispute or difference arising out of or in connection with this contract, the authorized officials of both the parties will try to resolve the matter through mutual discussions and in the event of there being no resolution; the matter shall be referred for arbitration to a sole arbitrator to be appointed by the SPG/Cabinet Secretariat. The arbitration and Conciliation Act, 1996 will be applicable to the arbitration proceedings and the venue of the arbitration shall be at New Delhi. The award of the arbitrator shall be binding on both the parties. The cost of arbitration including the fees of the Arbitrator shall be borne by both the parties equally and will be adjusted, if required, after the award of arbitrator. Each party shall be responsible for its own costs and professional fees, if any.
(33)	Jurisdiction of Courts in case of disputes: All matters and disputes arising from, relating to or concerning the contract shall be subject to the jurisdiction of the courts in New Delhi.
(34)	Force Majeure: The bidder shall not be liable for forfeiture of its performance security, termination of contract, if and to the extent that its delay in performance or other failure to perform; obligations under the contract is the result of an event of Force Majeure. For purposes of this clause ' <i>Force Majeure</i> ' means an event beyond the control of the bidder and not involving the bidder's fault or negligence and not foreseeable. Such events may include but are not limited to, acts of God or of public enemy, acts of Government of India in their sovereign capacity, acts of war, fires, floods etc. If a Force Majeure situation arises, the bidder shall promptly notify SPG in writing of such conditions and the cause thereof within ten calendar days. Unless otherwise directed by purchaser in writing, the bidder shall continue to perform its obligations under the Contract so far as it is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. In such a case, the time for performance shall be extended by a period(s) not less than the duration of such delay. If the duration of delay continues beyond a period of three months, purchaser and the vendor shall hold consultations with each other in an endeavour to find a solution to the problem. Notwithstanding the above, the decision of purchaser shall be final and binding on the vendor.
(35)	Acceptance of Terms & Conditions : The e-bidders should specifically mention that all the terms and conditions described in this tender are unconditionally acceptable. SPG reserves the right to accept/reject any/all the bids.
(36)	The terms and conditions (i.e. all the pages of Bid documents) must be initialled on each page (right bottom corner) and signed in full along with date and seal affixed at the last page. Scanned copy be uploaded with technical bid documents.

(37)	The firm should certify that the firm has not been blacklisted/ debarred from any Govt. Org./PSU and furnish a certificate in this regard as per <u>Annexure-I.</u>
(38)	<u>Joint Ventures</u> :Credentials of the partners of the Joint Venture can't be clubbed for the purpose of compliance of PQC and each partner must comply with all the PQC criteria independently. In case joint venture is between Indian and foreign partners then stake of Indian partner should be 51% or more with management control in joint venture. Scanned copy of contract to be uploaded with the bid and original to be submitted at the time of TEC.
(39)	<u>Applicability to "Make in India:</u> Bidders (manufacturer or principal of authorized representative) who have a valid/approved ongoing 'Make in India' agreement/program and who while meeting all other criteria of the tender, except for any or more or sub criteria in experience and past performance as defined in Pre-qualification eligibility criteria, would also be considered to be qualified provided; i) Their foreign 'make in India' associates meets all the criteria or the tender without exemption, and ii) The bidders shall submit appropriate documentary proof for a valid/approved ongoing 'make in India' agreement/program. The bidder (manufacturer or principal of authorized representative) shall have to furnish alongwith the bid; a legally enforceable undertaking jointly executed by himself and such foreign Manufacturer for satisfactory manufacture, supply (and erection, commissioning if applicable) and performance of "The Product' offered including all warranty obligations as per T.E.
(40)	<u>Other terms & Conditions :</u> a) Technical evaluation will be conducted at the place of delivery. b) Once the evaluation of the equipment starts, the complete evaluation will be done in one sitting. c) A test protocol will be used for Technical Evaluation of the equipment and the same will be discussed with vendors before starting evaluation. Same protocol will be used for reevaluating items offered by all vendors. d) List of deliverables must be attached with Technical Bids.

4.	Submission of Bid :
	EMD Interested bidders qualifying the mandatory pre-qualification criteria may respond to the tender, which should be submitted in two parts. Earnest Money Deposit should reach to AIG (Prov), SPG on or before end of date of bid submission, failing which offer will be liable for rejection. Bidders, however, have to attach scanned copies of Earnest Money documents along with its e-bid.
	Technical Bid "TECHNICAL BID" should be complete in all respects and contain all information asked for which includes description of the firm/organization, firm's general experience in the field of assignment, description of the qualification and other details that have been indicated. It should not contain any cost information whatsoever.
	Commercial Bid "COMMERCIAL BID" must contain the detailed price offer for the stores.

CERTIFICATE

Certified that all the terms and conditions mentioned in the Tender Enquiry No. **14/18/12/36/2019/Prov-22505/-----** dated ____/____/2020 for supply of **"Physiotherapy equipments"** are unconditionally acceptable.

It is also certified that OEM as well as bidding firm has not been blacklisted/debarred from any Govt organisation/PSU.

PLACE :

SIGNATURE OF THE TENDERER
Stamp/seal of the firm/company

DATED :

Technical Bid

Opening: Since the tender is called under Two-bid system, Technical Bids of those firms who fulfil the criterion of EMD will be opened and evaluated on the basis of given technical parameters. Technical Bids will be opened on the date and time mentioned in the Tender Notice. SPG may at its discretion, ask some or all bidders for clarification of their bid. The request for such discretionary clarifications and the response will necessarily be in writing.

Evaluation: The Technical Evaluation Committee will carry out its evaluation applying the evaluation criteria as per **Annexure-V** in addition to the meeting the minimum Pre-qualification criteria.

Commercial Bid

Opening: The Commercial Bids of only those bidders would be opened who have been successfully shortlisted in the scrutiny of technical bid. Date and time of opening of Commercial Bid would be communicated to those bidders, who have been shortlisted in the evaluation of their technical bids.

Evaluation: The evaluation of technically qualified bidders will be done on the basis of basic price of the equipment. The format of price schedule is attached as **annexure-VI**.

Bank Guarantee form for Performance Security

To
The President of India
(Through Director of Accounts)

WHEREAS
(name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract no..... dated to supply (description of goods and services) (herein after 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 scheduled commercial recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to 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 limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed thereunder or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the day of, 20.....

(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

Technical Specification

1.	<p>Name of equipments- Microwave Diathermy Unit-01 No.</p> <p>Technical Specification:-</p> <ul style="list-style-type: none"> i) It should have more than 80 clinical protocols. ii) It should have more than 100 user memory slots. iii) It should have supplied with circular Radiator. iv) It should have large colored touch screen display LED/LCD user interface. v) It should have continuous 250 W for optimal application possibilities. vi) It should have 1600 Watts pulsed modes. vii) It should have overheating alarm. viii) It should have Double protection system to guarantee extended magnetron life. ix) It should be supplied with complete Accessories- Power cable, Instruction manual, Fuses. x) The main supply should be 220-240V. xi) It should be supplied with Imported/Premium High frequency Co-Axial Cable (350 W at 2.45 GHz). xii) It should have safety certificate- CE or US FDA or STQC or CB Certificate or STQC S Certificate or valid detailed electrical and functional safety certificate.
2.	<p>Portable Shockwave Therapy Unit-01 No.</p> <ul style="list-style-type: none"> i) Should have touch screen operation with LCD display of at least 5 inches. ii) Should have pressure up to 5 bars. iii) Should have frequency up to 20 HZ. iv) should have built in compressor. v) Should have weight less than 8 Kgs without trolley. vi) Built-in Therapeutic encyclopaedia-description and images explaining application of all pre-programmed treatment programs. vii) Should have at least 100 user defined diagnosis. viii) should be supplied with comfortable applicator grip and should have spring based dumping mechanism for elimination of backward shocks. ix) Should have pre-programmed indication list-more than 20 programs. x) Should be supplied with 15 mm focussed, 15 mm multi-focussed, 9 mm multi-focussed and 20 mm focussed transmitter. xi) Possibility of later modernization of device firmware by simple connecting to PC and uploading the new Firmware (Company manufacturer for free). xii) Self-identifications of accessories and accessories maintenance check. xiii) Setting of sound effects, display, auto-off. xiv) Should have intensity Gradient mode where frequency and intensity both vary during the session between pre-set values. xv) Unit should be provided on trolley with 4-5 drawers. xvi) The unit should ask for revision kit only after minim 2 million shocks. xvii) Should have European C E cerfication. xviii) Should have warranty minimum 3 years xix) Main supply : 230V/50-60 Hz. xx) Dimensions (Main Unit), 320x190x280 mm xxi) Weigh of main unit (excluding accessories): Maximum 8 kgs. xxii) Equipment protection class (according to IEC 536):II xxiii) Maximum input for the main unit 100-120 VA xxiv) Maximum input for the compressor 500-600 VA xxv) The device should have power switch according to IEC 60601-1 (on/off switch and possibility to unplug main cable from the main socket outlet) xxvi) Should have degree of protection IP20 according to EN 60529.

3.	Combination Therapy Unit (Electrotherapy and Ultrasound Therapy)- 01 No.
	<p>Functional features of Combination Therapy unit:-</p> <ul style="list-style-type: none"> i) Should have facility of electrotherapy and ultrasound with provision for vacuum in the same unit. ii) Should have medical encyclopaedia into the system with anatomical library, and informative screens. iii) Should have facility for pre-programmed protocol selection through list navigation/quick protocols/body part navigation. iv) Should have large colour touch screen display v) Should have large number of pre-programmed indications for electrotherapy (more than 70), Ultrasound (more than 50) also there should be possibility of modifying and/or storing self-made protocols for treatments (more than 500) vi) Should have the facility of up-grading the firmware in future. vii) Should be able to treat 2 patients at the same time with independent therapies or same patient with 2 different indications. viii) Should have possibility to operate ultrasound simultaneously/independently while giving 4 pole electrotherapy treatment or two-pole treatments and 1 ultrasound therapy simultaneously. ix) Should have US FDA certification. x) Should be provided with 2 channel vacuum unit integrated on trolley with 4-5 drawers and sturdy wheel castors with locking facility. xi) Should have option for operation through battery. xii) Should have 03 years warranty. <p>Functional features of Electrotherapy Unit:-</p> <ul style="list-style-type: none"> i) Should have 2 channel electrotherapy with both independent channels. ii) Should have the following currents: Galvanic, Faradic, Neofaradic, Diadynamic currents, TENS currents (sym, asym, alt), NMES currents, interferential currents (2 pole, 4 pole, iso-planar and dipole vector field), micro currents, high voltage therapy, H-wave, Leduc current, Medium Frequency Surges, exponential pulses, exponential pulses with rise, combined pulses, interrupted pulses, rectangular pulses, Traevert pulses, Russian stimulation, Stimulation pulses, Rectangular pulses, Triangular pulses, Interrupted pulses and Medium frequency surges, Spastic stimulation- Hufschmidt, Spastic Simulation- Jantsch, HVT, IG pulses, Modulated pulsed current, VMS current, Kotz current, EPIR. 3. Should have facility for Constant Voltage/constant Currents modes. 4. Should have facility of plotting and storing SD curves for comparison and future reference. 5. The 2 Channel vacuum unit should have the following features: <ul style="list-style-type: none"> -Both the channels should be independent. - should have continuous and pulse mode with pulse mode of 5, 10, 15 and 20 pulses per minute. - Should have quite and easy operation. -Should be provided with 0mm suction cups and sponges. -Should have different programmes for pulsation modes. <p>Technical Features of Electrotherapy unit:-</p> <ul style="list-style-type: none"> 1. Mains supply : 230V/50-60Hz, 115V/50-60Hz 2. Class according to MDD 93/42/EEC: IIb <p>Functional features of Ultrasound therapy unit:</p> <ul style="list-style-type: none"> i) Should have ergonomic heads with facility for visual accessory identification/visual patient contact indicator on screen as well as on treatment. ii) Should have head warming facility for 5 cm² head. iii) Should have facility to connect 2 US heads at the same time and same should be available for selection while setting up parameters for treatment through software saving operators time and effort.

	<p>iv) Should be supplied with large hands-free ultrasound applicator with multiple crystal of total ERA12 cm² or more with rotary field technology and simultaneous treatment with 1 & 3 MHz.</p> <p>Technical features of Ultrasound Therapy Unit:</p> <ul style="list-style-type: none"> - Ergonomic Multi frequency treatment head for 1 & 3 MHz treatment (ERA 5 cm² and hands-free applicator. - Duty factor of 5-95%, in steps of 1%. - Modular frequency: 10-150 Hz in pulsed mode in steps of 10 Hz. - Peak intensity of 0-2 W/cm² duty cycle 100% in continuous mode and 0-3 W/cm² – duty cycle <100% in pulsed mode. - Beam non-uniformity ratio <5 - Head warming facility for 5 cm² treatment head. <p>Treatment time of 0-30 minutes.</p>
4.	<p>Targeted Radiofrequency Therapy Unit-01 No.</p>
	<p>Functional and Technical Specification;</p> <p>i) The unit should have built in feedback and safety feature. Dynamic Impedance Control.</p> <p>ii) Display minimum 8.4" colour touch screen type.</p> <p>iii) It should have QUICK protocols.</p> <p>iv) It should have body parts Navigation feature.</p> <p>v) It should come with in built preset protocols. User therapeutic protocols, provision for patient database.</p> <p>vi) It should have maximum power 320 W.</p> <p>vii) It should have operating frequency 480-520 KHz.</p> <p>viii) It should have operating mode continuous/pulsed.</p> <p>ix) It should have outputs for Capacitive/Resistive/Neutral Electrode.</p> <p>x) It should have compact plastic electrode insulation ensuring Therapist safety.</p> <p>xi) the electrodes should be supplied with the following sizes; capacitive electrodes 4 sizes (20, 30, 50 70 mm); resistive Electrodes 4 sizes (20, 30, 50, 70 mm); Neutral electrode metallic (160x240mm)</p> <p>xii) The unit should also be supplied with large adhesive neutral electrode-F7805 (5 Nos.).</p> <p>xiii) The unit should be supplied with the following standard accessories- Capacitive Applicator, Resistive Applicator, 4 Capacitive Electrodes, 4 Resistive Electrodes, 1 Neutral Electrode, cream, Patient Cable for capacitive Electrode, Patient Cable for Resistive Electrode, RF Cream-1.</p> <p>xiv) The device must be supplied with trolley with Castors and at least 5 shelf for storing accessories.</p> <p>xv) It should be European CE certified/International Quality Controls.</p> <p>xvi) Main supply 100-240V, 50-60Hz.</p> <p>xvii) It should have maximum input of 400 VA.</p> <p>xviii) Device should be of class (type BF according to IEC 60601-01 and classification according to MDD93/42/EEC should be IIa.</p> <p>xix) It should have degree of protection IP20 according to EN 60529.</p> <p>xx) The weight of device should be 5kg to 6 kgs and with accessories it should be approximate 10-11 Kgs.</p> <p>xxi) The maximum output current and voltage should be maximum 1.8A +/- 20% and 180 V +/- 20% respectively.</p> <p>xxii) Capacitive/Resistive/Neutral Applicator should have colour codes to identify them and also there should be visual identification on the applicator when selected for treatment to avoid wrong selection of applicator.</p> <p>xxiii) The capacitive/Resistive applicator should be ergonomic easy to hold with proper grip.</p> <p>xiv) The unit should have external port for easy updation of software and for service support.</p> <p>xv) The device should have continuous/Pulsed operation both for capacitive and resistive modes with duty factor setting of 1 to 100%.</p> <p>26. There should be possibility of set pulse time or pause time in seconds from 1-10 Sec.</p>

PRICE SCHEDULE

**Tender Enquiry No. 14/18/12/36/2019/Prov-22505/
January 2020**

Dated, the

S.No	Brief Description of Goods	Qty (Nos.)	Basic Cost (with Unit Price) (Unit Price)	GST	Inland Freight Charges including statutory taxes	Unit price (at Consignee site all inclusive)	Total Price of Store (at Consignee site)
		(a)	(b)	(c)	(d)	(e)	(f)
1.	Microwave Diathermy Unit	01					
2.	Portable Shockwave Therapy Unit	01					
3.	Combination Therapy Unit (Electrotherapy and Ultrasound Therapy)	01					
4.	Targeted Radiofrequency Therapy Unit	01					

L-1 will be decided by taking into account total cost of the equipment.