Bid Number: GEM/2020/B/869924
Dated: 09-11-2020

# Bid Document

| Bid Details | |
|---|---|
| Bid End Date/Time | 19-11-2020 16:00:00 |
| Bid Opening Date/Time | 19-11-2020 16:30:00 |
| Bid Life Cycle (From Publish Date) | 90 (Days) |
| Bid Offer Validity (From End Date) | 60 (Days) |
| Ministry/State Name | Ministry Of Health And Family Welfare |
| Department Name | Department Of Health And Family Welfare |
| Organisation Name | Jawaharlal Institute Of Postgraduate Medical Education And Research (jipmer) |
| Office Name | Jawaharlal Institute Of Postgraduate Medical Education And Research |
| Total Quantity | 1 |
| Item Category | Electroconvulsive Therapy (ECT) System |
| MSE Exemption for Years of Experience and Turnover | No |
| Startup Exemption for Years of Experience and Turnover | No |
| Document required from seller | Past Performance<br>*In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer |
| Past Performance | 10 % |
| Bid to RA enabled | No |
| Inspection Required | No |

**EMD Detail**

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|---|---|
| Required | No |

**ePBG Detail**

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|---|---|
| Required | No |

**Splitting**

Bid splitting not applied.

1. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 10% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

## Electroconvulsive Therapy (ECT) System ( 1 pieces )

**Technical Specifications**

* As per GeM Category Specification

| Specification | Specification Name | Values | Bid Requirement (Allowed Values) |
|---|---|---|---|
| GENERIC | Product description | Electroconvulsive therapy (ECT) System | * |
| | Clinical purpose | For treatment of patients suffering with severe major depression, particularly for its most severe forms: psychotic, melancholic and treatment-resistant depression or bipolar disorder that has not responded to other treatments | * |
| | Functional requirements | To produce pulse constant current Bipolar, Electrical charge and display EEG, ECG, EMG, Motor Movement and Electrical Stimulus on coloured monitor and store data in hard disk and print through inkjet printer for review and analysis | * |
| | System shall include | Main Unit, Software, Accessories and Computer system | * |
| | Application | Psychiactric treatment therapy procedures | * |
| FUNCTIONAL FEATURES | **Operation** | Auto,Manual | Auto, Manual |
| | Dual operating modes | Brief Pulse mode & Sine Wave mode | * |
| | Pulse Configuration | Bi-directional Square wave | * |
| | ECT Voltage (Volts) | 50 to 400 | * |
| | Current (mA) | 500 to 900 | * |
| | Frequency range (Hz) | 10 to 140 | * |
| | Pulse Width in increments of zero point one milli Second | 0.1 to 2.0 | * |
| | Stimulus duration (sec) | 0.05 to 8 | * |
| | Minimum stimulus power (Joules) | 0.3 to 100 | * |
| | Maximum stimulus power (Joules) | 188 to 205 | * |
| | Patient impedence (Ohm) | 220 | * |
| | Energy delivered according to head impedence | Yes | * |

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|---|---|---|---|
| | System has four different stimulus parameter knobs to vary pulse width, frequency, duration & current | Yes | * |
| | Auto stimulus abort facility available | Yes | * |
| | Impedance displayed as PASS /FAIL in LCD display as graph by pressing key or putting electrodes | Yes | * |
| | Optical motion sensor to monitor the movement during seizure by assessing seizure efficacy available | Yes | * |
| | Capable of monitoring EEG, EMG, ECG, Stimulus and Movement | Yes | * |
| | Capable to deliver unilateral and bilateral ECT | Yes | * |
| | Facility for recording EEG available | Yes | * |
| | Facility for auto or manual heart rate measurement available | Yes | * |
| | Audio / visual signal prior & after ECT available | Yes | * |
| | Automatic calculation of convulsion | Yes | * |
| | Facility to monitor real time dynamic impedance during procedure & also static impedance | Yes | * |
| | 4Channel ECG, 1Channel EEG, 1 Channel Optical Motion Sensor display | Yes | * |
| EEG, ECG, EMG MONITORING | Sensitivity (mv) | 20 | * |
| | Sampling Rate (Hz) | 256 | * |
| | Low-pass frequency (Hz) | 0.1 to 10 | * |
| | High-pass frequency (Hz) | 0.1 to 100 | * |
| | Notch (Hz) | 50 | * |
| | Sweep Speed (mm/sec) | 25 | * |
| | CMRR (db) | 80 | * |
| SOFTWARE AND STANDARD OF COMMUNICATION | Facility to connect system to any external PC available | Yes | * |
| | Comprehensive data base to store the complete patient information configurable | Yes | * |

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| | according to user needs | | |
| | Capable to store data with all the treatment parameters on the PC or convertible in to text format for review and analysis | Yes | * |
| | Provided with monitoring software to view physiological monitoring of 4 or more traces in real time throughout the treatment | Yes | * |
| | Software backup on CD provided | Yes | * |
| COMPUTER HARDWARE | Supplied with camera having remote functions for ease of use | Yes | * |
| | **Desktop PC with processor** | Intel Core i3 | Intel Core i3, Intel Core i5, Intel Core i7 |
| | **Memory (RAM), Minimum (GB)** | 4 | 4, 8, 16 Or higher |
| | **External Hard Disk drive (TB)** | 1 | 1, 2 Or higher |
| | DVD writer(external or inbuilt) | Yes | * |
| | **Type of Monitor** | Color, LCD | Color, LCD, Color, LED |
| | Size of Monitor (inch) | 24 | * |
| | Full High Definition minimum Resolution of Monitor (Pixel) | 1920 X 1080 | * |
| | **Type of printer** | Color Laser printer | Color Inkjet printer, Color Laser printer |
| CONSUMABLES | Adjustable ECT head band | 20 | * |
| | Earthing wire | 4 | * |
| | Rubber Strap or insulated Electrodes | 2 | * |
| | Bite Block | 2 | * |
| | EEG Electrode sets (Ag-AgCl) | 10 | * |
| | EEG Electrode sets (Gold plated) | 10 | * |
| | EMG Electrodes | 10 | * |
| | ECG Electrodes | 4 | * |
| | Dust Cover | 1 | * |
| | Fuses | 5 | * |
| | Conducting Jelly | 50 | * |
| ENVIRONMENTAL CONSIDERATIONS | Operating environment | 10 deg C to 40 deg C, RH 15% to 90% | * |
| | Storage conditions | 0 deg C to 50 deg C, RH 15% to 90% | * |

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| PACKING MODE | The complete unit is packed including all the accessories in such a way that no transit damage takes place during transportation till destination | Yes | * |
| CERTIFICATIONS & REPORTS | Submission of Test Report/Quality Control Report to the buyer from parent manufacturer complying that the product meets the defined set of declared specifications | Yes | * |
| | Product Certification for the complete unit (Proof of the same to be submitted to buyer) | US-FDA,EU-CE,BIS,ICMED plus:13485 | * |
| | Scoring option for sleep and other parameters as per AASM 2007(American Academy of sleep Medicine) guidelines | No | * |
| | Four digit number of notified body if product is EU-CE certified | - | * |
| | Certificate No and Date | - | * |
| | Certificate Issuing Authority | - | * |
| | Manufacturer facility certification | ISO:13485 & ISO:9001 | * |
| | Certification, performance and safety standards specific to the whole unit (Proof of the same to be submitted to buyer on demand) | IEC 60601- 1 - 1, IEC 60601 - 1 - 2 & IEC 60601 - 1 - 26 | * |
| | Submission of all Test Report, Certifications to the buyer to the buyer at the time of supply | Yes | * |
| RISK CLASSIFICATION | As per USFDA & European EU/CE Satndard | Class II | * |
| INSTALLATION & TRAINING | Supplier to perform installation, safety and operation checks before handover | Yes | * |
| | Onsite operational as well as general troubleshooting User level maintenance training to the user during supply and as and when required by the user is supplier responsibility | Yes | * |
| WARRANTY & | **Warranty in Years** | 5 | 5, 2 Or higher |

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| MAINTENANCE | **(Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)** | | |
| | User technical and maintenance manual detailing complete maintaining schedule with routine maintenance are provided | Yes | * |
| | After sale support service facility available | Yes | * |
| | Contact details of manufacturer, supplier and local service agent are provided | Yes | * |

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

**Consignees/Reporting Officer and Quantity**

| S.No. | Consignee/Reporting Officer | Address | Quantity | Delivery Days |
|---|---|---|---|---|
| 1 | Vikas Menon | 605006,Jawaharlal Institute of Postgraduate Medical Education and Research, Dhanvantari Nagar, Puducherry | 1 | 15 |

**Special terms and conditions for category Electroconvulsive Therapy (ECT) System**

1. Comprehensive warrantyComprehensive warranty shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares,. During the warranty period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer’s technical/ service /operational manual, at least once in six months. warranty shall not be including the consumables .Further there will be 98% uptime warranty during warranty period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend warranty period by double the downtime period.Service centresDetails of Service outlets in India to render services for equipment to be furnished to buyer/consignees with complete address ,telephone numbers, e mails etc at time of making the supplies .It shall be the responsibility of seller to ensure that authorized service centres are available to cater to the areas where supplies are made within reasonable distance from where the service calls can be handled .Details of toll free numbers for service call and online registration of service requests also to be provided buyer/consignee at the time of supplies.Source of supplyIt shall be responsibility of seller to provide Documents regarding source of equipments such as copy of Performa invoice or any other documents to establish that the products supplied are manufactured by OEM indicated and sourced from them.Packing and MarkingMedical equipments being very delicate and sensitive packing for the goods should be strong and durable enough to withstand transit including transhipment (if any), rough handling, open storage etc. without any damage, deterioration etc. .The size, weights and volumes of the packing cases, remoteness of the final destination of the goods, availability or otherwise of transport and handling facilities at all points during transit up to final destination,. Quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall take in to consideration the type of medical equipments being supplied. The accessories shall be suitably labelled and packed .Each of the package shall be marked on three sides with indelible paint of proper quality: indicating contract number and date , brief description of goods including quantity ,. Packing list reference number , country of origin of goods and any other relevant details.Spare PartsSeller shall provide materials, information etc. pertaining to spare parts manufactured and supplied by the OEM . It shall be ensured that the required spares are available for purchase at least for 10 years from date of supplies .In case due to any reasons the production of the spare parts is discontinued sufficient advance notice

should be given to the buyer/consignee before such discontinuation to provide adequate time to purchase the required spare parts etc. Further, OEM and their service centres/dealers shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the equipments so that the same are available.OEM or reseller shall always accord most favoured client status to the buyer/consignee and shall give the most competitive price for spares and consumables of its machines/equipments supplied.Installation, Training, ManualsSeller shall be responsible to carry out Installation & commissioning, Supervision and Demonstration of the goods. They shall provide required jigs and tools for assembly, minor civil works for the completion of the installation and Training of Consignee's representatives for operating and maintaining the equipment and Supplying required number of operation & maintenance manual for the goods. In case the category parameters are specifying any requirements regarding the installations , training and manuals the same shall also be applicable. Electrical safety checkingSellers are required to make sure that they furnish the list of equipments for carrying out routine and preventive maintenance to buyer/consignee. They should make sure to periodically check the electrical safety aspects as per BIS Safety Standards or equivalent .In case they do not have required equipment for such testing should ensure that the equipments checked for electrical safety compliance through labs with facilities for such checking during every preventive maintenance call. Software All software updates should be provided free of cost during warranty period.

2. **1. Comprehensive warranty:**

Comprehensive warranty shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares,. During the warranty period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months. warranty shall not be including the consumables .Further there will be 98% uptime warranty during warranty period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend warranty period by double the downtime period.

**2. Service centres:**

Details of Service outlets in India to render services for equipment to be furnished to buyer/consignees with complete address ,telephone numbers, e mails etc at time of making the supplies .It shall be the responsibility of seller to ensure that authorized service centres are available to cater to the areas where supplies are made within reasonable distance from where the service calls can be handled. Details of toll free numbers for service call and online registration of service requests also to be provided buyer/consignee at the time of supplies.

**3. Source of supply:**

It shall be responsibility of seller to provide Documents regarding source of equipments such as copy of Performa invoice or any other documents to establish that the products supplied are manufactured by OEM indicated and sourced from them.

**4. Packing and Marking:**

Medical equipments being very delicate and sensitive packing for the goods should be strong and durable enough to withstand transit including transhipment (if any), rough handling, open storage etc. without any damage, deterioration etc. .The size, weights and volumes of the packing cases, remoteness of the final destination of the goods, availability or otherwise of transport and handling facilities at all points during transit up to final destination,. Quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall take in to consideration the type of medical equipments being supplied. The accessories shall be suitably labelled and packed .Each of the package shall be marked on three sides with indelible paint of proper quality: indicating contract number and date , brief description of goods including quantity ,. Packing list reference number , country of origin of goods and any other relevant details.

**5. Spare Parts:**

Seller shall provide materials, information etc. pertaining to spare parts manufactured and supplied by the OEM . It shall be ensured that the required spares are available for purchase at least for 10 years from date of supplies .In case due to any reasons the production of the spare parts is discontinued sufficient advance notice should be given to the buyer/consignee before such discontinuation to provide adequate time to purchase the required spare parts etc. Further, OEM and their service centres/dealers shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the equipments so that the same are available.

OEM or reseller shall always accord most favoured client status to the buyer/consignee and shall give the most competitive price for spares and consumables of its machines/equipments supplied

**6. Installation, Training, Manuals:**

Seller shall be responsible to carry out Installation & commissioning, Supervision and Demonstration of the goods. They shall provide required jigs and tools for assembly, minor civil works for the completion of the installation and Training of Consignee's representatives for operating and maintaining the equipment and

Supplying required number of operation & maintenance manual for the goods. In case the category parameters are specifying any requirements regarding the installations , training and manuals the same shall also be applicable.

**7. Electrical safety checking:**

Sellers are required to make sure that they furnish the list of equipments for carrying out routine and preventive maintenance to buyer/consignee .They should make sure to periodically check the electrical safety aspects as per BIS Safety Standards or equivalent .In case they do not have required equipment for such testing should ensure that the equipments checked for electrical safety compliance through labs with facilities for such checking during every preventive maintenance call.

**8. Software:**

All software updates should be provided free of cost during warranty period.

## Bid Specific Additional Terms and Conditions

1. Experience Certificate for the supply of the same to any Govt/ PSU/ any renowned private organisation along with Supply/ Purchase Order.
2. If the agency is registered under MSME or NSIC, then EMD exemption certificate needs to be enclosed.
3. Make in india specific authorisation certificate needs to be enclosed.
4. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.
5. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 15 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imberse the cost of such service / rectification to the Buyer.
6. Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid
7. The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price: Adjustable ECT headband-20, earthing wire-4, rubber strap or insulated electrodes-2, bite block-4, EEG electrode sets-10(Gold plated, Ag AgCl), EMG electrodes 10, ECG electrodes 4, Dust cover-1, Fuses-5, conducting jelly-50.
8. **Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.

This Bid is also governed by the General Terms and Conditions

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---Thank You---**