



# अखिल भारतीय आयुर्विज्ञान संस्थान, गोरखपुर

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, GORAKHPUR

कुनराघाट, गोरखपुर, उत्तर प्रदेश - 273008

Kunraghat, Gorakhpur, Uttar Pradesh 273008

(स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार द्वारा स्थापित एक स्वायत्त निकाय)

(An autonomous organization under the Ministry of Health & Family Welfare, Govt. of India)

Ref. No. AIIMS/GKP/Admin/2021-22/1541

Date: 23/03/2022

**Subject: Proposal for the procurement of Comprehensive Cardiovascular Simulator & Chest and lung Simulators for department of Physiology, AIIMS, Gorakhpur on proprietary basis.**

The department of Physiology is going to procure Comprehensive Cardiovascular Simulator & Chest and lung Simulators from M/s KYOTO KAGAKU co. Ltd Having address: KYOTOKAGAKU Co. LTD 15 KITANEKOYA-CHO FUSHIMI-KU-KYOTO 6128388 JAPAN under Proprietary Certificate. The Proposal submitted by M/s B. R Biomedical Pvt Ltd. Malviya Nagar, main Road new Delhi- 110017, proprietary article certificate, certified by user is attached.

The above mentioned document are being uploaded for open information to submit their objections comments, if any firm any manufacturer regarding proprietary nature of the equipment/ accessories/ item within 15 days from the date of issue/ uploading of the notification.

The comment should be received by office of administrative officer, Medical College at AIIMS, Gorakhpur on or before 7<sup>th</sup> April 2022 up to 17:00, Hrs. failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

*P. Kant*  
23-03-2022

**Administrative Officer  
AIIMS Gorakhpur**

Enclosure: Related Documents enclosed

15/10

Comprehensive Cardiovascular System Examination (Simulator)

1. State of the art clinical training system for comprehensive cardiovascular examination simulator for bedside clinical examination Teaching and training using ECG data and Stethoscope
2. It must be life sized Torso model up to mid thigh, fixed on a platform trolley with Large monitoring screen (Min 20") for comprehensive bedside clinical examinations.
3. The system should have heart and breathing sounds recorded from the real patients and not computer generated synthetic sounds,
4. Heart and breath sounds must have natural propagation and sound transitions across chest wall
5. The system must allow training in observation ,auscultation, palpation of heart and breathing sounds as well as cardio pulsos , jugular vein and apex beat
6. The system must simulate realistic Respiration cycle to help students understand respiratory related phenomenon
7. It should have anatomically correct Auscultation ,palpation and observation sites on life sized manikin as follows
  - a) 4 Sites for Heart Sound Auscultation
  - b) 8 sites for arterial pulse palpation
  - c) 2 sites for Jugular vein observation
  - d) Sites for apex beat palpation
  - e) Sites for breathing sound auscultation
8. It must be suitable for training of students in identifying and differentiating heart sounds such as S1,S2,S3,S4 and systolic & diastolic Murmurs.
9. It must have high quality reproduction of clinical examinations scenarios on a life size torso manikin body that comprises minimum 75 cases of-
  - a) Normal heart simulation - S2 split (-) HR60/72/84 , S1 split (+), S2 split (+), S2 wide split, S3 gallop, S4 gallop, pulmonic ejection sound, S3 and S4 gallop, physiological murmur midsystolic click sound,
  - b) Heart disease simulation- aortic stenosis, mitral regurgitation, mitral stenosis, aortic regurgitation, hypertrophic cardiomyopathy, mitral steno-regurgitation, pulmonic valvular stenosis, atrial septal defect, ventricular septal defect, Tricuspid regurgitation, Acute mitral regurgitation, Patent ductus arteriosus, Mitral valvular prolapsed, Dilated cardiomyopathy.
  - c) Arrhythmia simulation- Sinus arrhythmia, Sinus tachycardia, Sinus bradycardia, Ventricular premature contraction (1,2,3),Sino-atrial block, Atrio-ventricular block, Atrial fibrillation, Atrial flutter
  - d) ECG arrhythmia simulation - Normal sinus R, Sinus tachycardia Sinus arrhythmia Apc solitary Apc bigeminy, Ectopic pacemaker, Wandering pacemaker, Coronary sinus R, Sinus bradycardia, SS syndrome, Atrial fibrillation, Atrial flutter, Atrial flutter fib, Atrial flutter, AV block, AV block & crbbb, AV block (digital, mobitz), AV block (3 1&4 1) AV & crbbb Paroxysm atr tachy, AV junc R (svst), AV junc R (pat) AV junc R, AV junc contraction VV pacemaker Atrial pacemaker Vent pacemaker AV seq pacemaker ICRBBB, CRBBB, CLBBB, CLBBB (by arm) wpw syndrome vpc (solitary, quadrigeminy bigeminy trigeminy couplet) ppc (repetitive P on T type) non-sustained VT, vent tachycardia flutter, fibrillation, vent R (sinus cond), accel vent rhythm, agonal rhythm
10. It must simulate minimum 50 cases of arrhythmia along with real-time dynamic ECG Chart for confirmation of findings
11. It must have minimum 30 cases of total patient simulation including cases of normal Heart, Heart Diseases simulation, and arrhythmia simulation with corresponding sounds, pulses, apex beats and ECG
12. System must provide explanation of all simulation/cases and its management to facilitate self-learning and repeated training
13. It must have a large Touch screen to show ECG, Jugular Venous Pulses (JVP), Carotid Arterial Pulse (CAP) and Apex Cardiogram (ACG)
14. Each case can be freeze framed for in depth learning and should also show the HR, BP, RR and temperature of patient.

Dr. Sangeeta Gupta  
 18/11/2021

मिठाल  
 18/11/2021  
 26-11-21

18/11/2021

डॉ. मृणाल फटक / DR. MRUNAL PHATAK  
 M.B.B.S., M.D., FIMSA, FASSOPI  
 प्राध्यापक / Professor  
 शरीर क्रिया विज्ञान विभाग / Department of Physiology  
 एम्स, नागपूर / AIMS, Nagpur

14/10

15. The cardiology model unit must reproduce heart sounds and murmurs which can be auscultated using real stethoscope from Aortic, Pulmonic, Tricuspid and Mitral areas.
16. It must have bilateral palpable cardiac impulses at Brachial, Radial, Carotid, femoral arteries linked to the simulated scenario and underlying physiology of the patient.
17. It must have Apex Beat Palpable at RV, LV, with Right ventricular lifting, Left ventricular heaving and left ventricular enlargement
18. It must be possible to arrange/customize the display of the monitor as per training and examination needs
19. It must be supplied with compression system with computer controls for real life like experience of arterial palpitation as well as abdominal respiration
20. It must provide physical finding training in bedside cardiovascular clinical examination skills with minimum 75 cases of total patient, arrhythmia and ECG simulation.
21. It must give actual training by using actual diagnostic instruments such as real stethoscope.
22. It must have facility for repeated practice for learners to differentiate various heart sounds & murmurs using their own ear
23. It must have tracheal and bronchial breath sounds and abdominal movements to facilitate understanding of respiratory related phenomenon
24. It must be operated by a wireless controller/tablet with facility to operate upto five simulators simultaneously with one tablet during examination and for efficient scenario based training involving more than one patient and to enable learning with comparison between related cases.
25. It must be possible to program a playlist of scenarios according to teaching needs
26. The training model must have the dual facility of (A) Hearing the murmurs and other sounds by doctors stethoscope for individual students experience (B) Possibility of playing sounds on speaker system for group/classroom teaching by faculty.
27. It must have an external speaker integrated in the trolley for demonstration and large group studies.
28. The complete training system including manikin, compression system, computer, monitor and speakers should be integrated in a wheeled trolley for easy movements in the department as per training needs. The complete system should be pre wired and ready to use without any set up time.

Dr. Phatak  
16/11/21

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आचार्य  
श्री. डी. ए. ए.

21/11/21

Dr. Phatak

26-11-21

डॉ. मृणाल फाटक / DR. MRUNAL PHATAK  
M.B.B.S., M.D., FIMSA, FASSOPI  
प्राध्यापक / Professor  
दंत विभाग / Department of Physiology  
एएस, नागपुर / AIIMS, Nagpur

Comprehensive Chest and Lungs Examination Simulator

1. Simulator for comprehensive chest examination and Lungs sound auscultation with an actual stethoscope like in a real patient.
2. It must be Torso Manikin having realistic anatomical landmarks mounted on a platform trolley for respiratory Examination.
3. Manikin should be mounted on a rotatable base allowing easy anterior and posterior clinical examination as with the real patient.
4. It should be possible to use actual stethoscope for effective lung sound auscultation training.
5. All lung sounds must be recorded from real patients and should not be synthetic sounds.
6. All sounds must have natural propagation and sound transition across the chest wall.
7. It should comprise of minimum 36 actual lung sound cases for following chest sounds:
  - I) Normal sounds- Standard, Weak, Moderate, Loud heart sounds
  - II) Abnormal sounds- Left Lower area, Left whole area, absent left, Right lower area, right whole area, absent right, whole thorax, bronchial sounds
  - III) Coarse Crackles- right lower area, both lower area, right middle area, left lower area, both upper area, whole thorax
  - IV) Fine Crackles- both lower area, both lower and middle area, whole thorax case 1, whole thorax case 2
  - V) Wheezes- upper and middle area, around trachea and upper area, polyphonic
  - VI) Rhonchi- Trachea and upper area, Polyphonic, with inspiratory wheeze, whole thorax
  - VII) Miscellaneous- Continuous sound-stridor, pleural rub left lower area, pleural friction rub left lower, pleural friction rub right lower and middle, Hamman's sign, vocal fremitus. "
8. Each Case must be accompanied with detailed explanation and case reference with general descriptions and clinical data including patient histories, illustrations, radiographs and CT images for comprehensive teaching.
9. Each case must be available with and without heart sound for examination and teaching purpose.
10. Classification of the Lungs sound must be based on proven criteria of American Thoracic Society / other International Societies.
11. It must have graphical display of respiration sounds on computer screen/Tablet.
12. It should have atleast seven auscultation sites on Anterior side namely- I) Trachea II) Upper right Lung Field III) Upper Left Lung Field IV) Middle left Lung Field V) Middle right Lung Field VI) Lower right Lung Field VII) Lower Left Lung Field
13. It should have atleast Eight auscultation sites on Posterior side namely- I) Upper right Lung Field II) Upper Left Lung Field III) Middle left Lung Field IV) Middle right Lung Field V) Lower right Lung Field VI) Lower Left Lung Field VII) Right costophrenic angle VIII) Left costophrenic angle
14. It must have facility to play both posterior and anterior sounds simultaneously to allow examination by two or more students at a time
15. It must Indicate inspiration and expiration through LED light so as to confirm rhythm of breathing during sound auscultation.
16. It must be operated by a wireless controller/tablet with facility to operate 4 to 6 Simulators simultaneously with one tablet for efficient group teaching and examination.
17. It must be possible to program a playlist of scenarios according to teaching needs
18. It must have an external speaker integrated in the trolley for demonstration and group studies
19. Must have the facility to vary Sound volume (in five levels), respiration rate and operating time to offer variety of training options as per teaching needs.
20. It must have auto check facility to check for any error and keep the Simulator in good condition.
21. It must be possible to detach the Manikin from Trolley and use it as stand alone unit.
22. It must be supplied complete with – Manikin torso with 1) Trolley - 1 No 2) Suitable PC with operating software Simulator -1 No 3) Wireless controller/ Tablet 4) Inbuilt Amplifier and external speakers- 1set and all other attachments accessories required to make the System fully operational

Dr. Sunil Kumar  
 Head, Department of Physiology  
 Government Medical College  
 Patna

महोदय  
 15/11/2021  
 26/11/21

Dr. Sunil Kumar  
 15/11/2021

डॉ. मृगाल फाटक / DR. MRUNAL PHATAK  
 M.B.B.S., M.D., FIMSA, FASSOPI  
 प्राध्यापक / Professor  
 शरीर विज्ञान विभाग / Department of Physiology

February 12, 2021 27/2

**Proprietary Certificate and Letter of Confirmation**

Dear Sirs,

We hereby certify that comprehensive clinical examination training simulator model Cardiology Patient Simulator "K" MW10 with facility of 36 pre programmed simulation cases for normal heart, heart diseases and arrhythmia with corresponding heart & respiratory sounds, 52 cases of Arrhythmia and ECG simulation, natural sound propagation and transition across cheesy wall, Facility of Auscultation with real stethoscope at aortic, pulmonic, tricuspid and mitral area for comprehensive teaching and training in bedside clinical examination is a Proprietary product of Kyoto Kagaku Co. Ltd. Japan.

We also confirm that said product with these features and its published specification is not manufactured by any other manufacturer in the world.

We are pleased to confirm that BR Biomedical Pvt. Ltd D-71, Malviya Nagar, Main Road, New Delhi - 110 017, India is our exclusive distributor in India for MW10.

This certification/letter is valid from 12<sup>th</sup> February 2021 to 31st December 2023.

Yours faithfully,



Joji Araki  
Senior Manager, Oversea Sales  
For and on behalf of Messrs Kyoto Kagaku Co. Ltd.  
15 Kitanechoya-cho Fushimi-ku, Kyoto, 612-8388, Japan



76/c

February 12, 2021

**Proprietary Certificate and Letter of Confirmation**

Dear Sirs,

We hereby certify that the Lung Sound Auscultation Trainer Model "LSAT" Ver.2 Model MW28 with facility of simulating 36 types of lung sounds with natural propagation and sound transition across the chest wall and auscultation of lung sound with normal stethoscope for comprehensive Teaching and training of Auscultation techniques is a Proprietary product of Kyoto Kagaku Co. Ltd. Japan.

We also confirm that said product with its published specification is not manufactured by any other manufacturer in the world. We are pleased to confirm that BR Biomedicals Pvt. Ltd D-71, Malviya Nagar, Main Road, New Delhi - 110 017, India is our exclusive distributor in India for our Range of simulators in India.

This certification/letter is valid from 12<sup>th</sup> February 2021 to 31<sup>st</sup> December 2023.

Yours faithfully,



Joji Araki  
Senior Manager, Oversea Sales  
For and on behalf of Messrs Kyoto Kagaku Co. Ltd.  
15 Kitanechoya-cho Fushimi-ku, Kyoto, 612-8388, Japan

## Bid Document

<b>Bid Details</b>	
<b>Bid End Date/Time</b>	07-04-2022 16:00:00
<b>Bid Opening Date/Time</b>	07-04-2022 16:30:00
<b>Bid Life Cycle (From Publish Date)</b>	90 (Days)
<b>Bid Offer Validity (From End Date)</b>	60 (Days)
<b>Ministry/State Name</b>	Ministry Of Health And Family Welfare
<b>Department Name</b>	Department Of Health And Family Welfare
<b>Organisation Name</b>	All India Institute Of Medical Sciences (aiims)
<b>Office Name</b>	Gorakhpur
<b>Total Quantity</b>	2
<b>Item Category</b>	comprehensive Cardiovascular System Examination (Simulator) (Q2) ( <b>PAC Only</b> ) , Comprehensive Chest and Lungs Examination System (Simulator) (Q2)
<b>Minimum Average Annual Turnover of the Bidder</b>	75 Lakh (s)
<b>OEM Average Turnover (Last 3 Years)</b>	200 Lakh (s)
<b>Years of Past Experience required</b>	3 Year (s)
<b>MSE Exemption for Years of Experience and Turnover</b>	No
<b>Startup Exemption for Years of Experience and Turnover</b>	No
<b>Document required from seller</b>	Experience Criteria,Past Performance,Bidder Turnover,OEM Authorization Certificate,OEM Annual Turnover,Compliance of BoQ specification and supporting document *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
<b>Past Performance</b>	50 %
<b>Bid to RA enabled</b>	No
<b>Comprehensive Maintenance Charges Required</b>	Yes
<b>Primary product category</b>	Comprehensive Chest and Lungs Examination System (Simulator)
<b>Time allowed for Technical Clarifications during technical evaluation</b>	2 Days
<b>Evaluation Method</b>	Total value wise evaluation

### EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	332788

#### ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	2.00
Duration of ePBG required (Months).	62

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

#### Beneficiary:

Executive Director

Gorakhpur, Department of Health and Family Welfare, All India Institute of Medical Sciences (AIIMS), Ministry of Health and Family Welfare

(Dr. Surekha Kishore)

#### Splitting

Bid splitting not applied.

#### MII Purchase Preference

MII Purchase Preference	No
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#### Details of the Competent Authority for MII

Name of Competent Authority	Arvind Kumar
Designation of Competent Authority	Under Secretary Ministry of Fertilizer
Office / Department / Division of Competent Authority	Ministry of chemical and Fertilizer
CA Approval Number	35026/76/2021/md
Competent Authority Approval Date	01-02-2022
Brief Description of the Approval Granted by Competent Authority	Some I types of equipment were exempted by the Ministry of Chemical and fertilizer and said procurement falls under exemption lists of Equipment's.

#### MII Purchase Preference

MII Purchase Preference	Yes
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#### MSE Purchase Preference



MSE Purchase Preference	Yes
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### Details of the Competent Authority approval for PAC

Competent Authority Approval document for PAC : [View Document](#)

Name of Competent Authority	dr. Surekha Kishore
Designation of Competent Authority	Executive Director
Office / Department / Division of Competent Authority	AllIMS Gorakhpur
CA Approval Number	27/21
Competent Authority Approval Date	2022-03-21 00:00:00
Brief Description of the Approval Granted by Competent Authority	As per User Department, the competent authority has been approved the requirement.

1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Preference to Make In India products (For bids > 200 Crore) (can also be used in Bids < 200 Crore but only after exemption by competent authority as defined in Deptt of Expenditure OM dated 28.5.2020): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
5. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15%

(Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

6. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% 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.

## **Comprehensive Cardiovascular System Examination (Simulator) ( 1 pieces ) ( Under PAC )**

**(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)**

Make	kyotokagakuco.ltd
Model	mw10

Brand Type	Registered Brand
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### **Technical Specifications**

[\\* As per GeM Category Specification](#)

<b>Specification</b>	<b>Specification Name</b>	<b>Bid Requirement (Allowed Values)</b>
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<b>Comprehensive Maintenance</b>	
Warranty of required product	5 Year
Comprehensive Maintenance Duration (Post Warranty)	5 Year

\*Warranty displayed under the AMC/CMC Details section will supersede the warranty displayed under the catalog specification

### **Consignees/Reporting Officer and Quantity**

<b>S.No.</b>	<b>Consignee/Reporting Officer</b>	<b>Address</b>	<b>Quantity</b>	<b>Delivery Days</b>
1	Suryakanta Seth	273008,AIIMS, KUNRAGHAT, GORAKHPUR	1	30

## **Comprehensive Chest And Lungs Examination System (Simulator) ( 1 pieces )**

**(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)**

Brand Type	Registered Brand
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### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
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Comprehensive Maintenance	
Warranty of required product	5 Year
Comprehensive Maintenance Duration (Post Warranty)	5 Year

\*Warranty displayed under the AMC/CMC Details section will supersede the warranty displayed under the catalog specification

### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Suryakanta Seth	273008,AIIMS, KUNRAGHAT, GORAKHPUR	1	30

### Special terms and conditions-Version:1 effective from 04-05-2020 for category comprehensive Cardiovascular System Examination (Simulator)

- 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.
  - 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.
  - 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.
  - Packing and Marking**  
 Medical equipments being very delicate and sensitive packing for the goods should be strong and

durable enough to withstand transit including transshipment (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.

- o **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.

- o **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.

- o **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.

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

### **Special terms and conditions-Version:1 effective from 04-05-2020 for category Comprehensive Chest and Lungs Examination System (Simulator)**

1. o **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.

- o **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.

- o **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.

- o **Packing and Marking**

Medical equipments being very delicate and sensitive packing for the goods should be strong and durable enough to withstand transit including transshipment (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 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.

- **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.

- **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.

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

## Buyer Added Bid Specific Terms and Conditions

1. If the agency is registered under MSME or NSIC, then EMD exemption certificate needs to be enclosed.
2. Make in india specific authorisation certificate needs to be enclosed.
3. **Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 50 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 50% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

## Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.



## Additional Clause For Comprehensive Maintenance Charges

- 1.CMC shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, after satisfactory completion of Warranty. During the CMC 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 or as per user requirement. Cost of consumables shall not be included in CMC.Further there will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- 2.CMC charges to be indicated as percentage of cost of equipment quoted for each year after the warranty period.
- 3.GST shall be included in the CMC Charges quoted.
- 4.Cost of CMC will be added for Ranking/Evaluation purpose with depreciation formula.A 10% discounting rate per year shall be applied on CMC Charges for price evaluation on Net Present Value.
- 5.The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user.
- 6.While creating a bid or RA, buyers shall indicate whether CMC is required against Yes/No" options. If CMC Charges are included, an option for number of years for CMC required after the warranty period shall be available.Under this option up to 10 years can be chosen for CMC charges beyond warranty period.
- 7.In case the bid has a provision for CMC, the warranty of the product will also be deemed to have been converted into Comprehensive warranty including preventive maintenance and calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, during the Warranty Period also. Sellers are therefore advised to include the cost of Comprehensive Warranty including spares (excluding consumables) also in product Cost.
- 8.The CMC functionality shall be available in bid only and no direct RA shall be applicable.In case of bid to R/A decrement rules shall be applicable on total price inclusive of CMC charges. Bunching of products shall not be available while creating bids with CMC charges.

8.1.Buyer shall indicate number of years of warranty by selecting different options available in the field depending on warranty parameter applicable in category parameters for the equipment. No. of years of warranty indicated here shall supersede the warranty period indicated elsewhere in bid or product specifications. The Seller while participating in Bid/RA will get fields to indicate CMC charges as percentage depending on number of years of CMC selected by Buyer. The following shall be applicable, if 5 year CMC selected:

- CMC charges for 1st year after warranty period- Percentage to be indicated- A1
- CMC charges for 2nd year after warranty period- Percentage to be indicated- A2
- CMC charges for 3rd year after warranty period - Percentage to be indicated- A3
- CMC charges for 4th year after warranty period - Percentage to be indicated- A4
- CMC charges for 5th year after warranty period - Percentage to be indicated- A5

Similarly, A6 to A10 are to be indicated for 6th to 10th year of CMC if applicable.

8.2.The calculation of CMC Charges shall take into account the number of years of warranty and duration of CMC as specified while creating bid.

8.3.In the price evaluation, the system shall provide function to calculate the cost of each equipment by formula indicated below including CMC and then show the inter-se-ranking of the bidders. The following are the variables

- (i) Number of years for which CMC required.
- (ii) Number of years of product warranty

The formula for calculating total cost including CMC charges shall be as under:

Total Cost for evaluation=

$C + C * \{ (A1/100)/(1.10^n) + (A2/100)/(1.10^{n+1}) + (A3/100)/(1.10^{n+2}) + (A4/100)/(1.10^{n+3}) + (A5/100)/(1.10^{n+4}) \}$  and so on

C - Cost for equipment quoted and n shall be number of years of product warranty specified.

If 2 year warranty specified, n shall be 2 and if 5 year warranty specified, n shall be 5. A1,A2, A3, A4& A5 shall depend on how many years CMC selected. For 3 year CMC, only A1,A2 and A3 factors are to be taken into account and A4 and A5 will not be applicable.

8.4.CMC charges offered for each subsequent year should be same or higher than preceding year.

8.5.The CMC charges shall be offered within range of 3 to 10% of cost of equipment.

9.Since CMC charges are to be paid only later for each year during CMC period,applicable performance guarantee amount after placement of contract shall be based on the cost of equipment excluding the cost of CMC Charges.

10.Performance bank guarantee applicable for CMC is to be submitted at start of the CMC and shall be applicable between 2.5% to 5% as specified in bid on total CMC Charges.The PBG submitted after award of contract shall be released only after new PBG for the CMC period is submitted and accepted by buyer/consignee after due

verification. Bank guarantee for CMC is to remain valid till completion of CMC period plus one year. The bank guarantee for CMC shall be submitted to buyer directly. In case, seller fails to submit the PBG or does not provide services for the CMC contract after expiry of warranty period then PBG of equipment shall be forfeited.

11. In case of splitting of order quantity, equipment cost and CMC charges offered by L1 bidder shall be matched by higher quoting eligible bidders on one-to-one basis. The equipment cost and CMC charges (year to year) shall be matched individually.

12. The CMC Contract shall be an offline contract to be handled by buyer. The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user and scope of CMC will be as per para 1 above.

13. CMC Charges are inclusive of all the charges for Transportation, Lodging, Boarding, all insurances including third party insurance and all other incidental charges. The same shall include GST. The prices also include cost of spares and damaged parts. Purchaser does not have any liability, whatsoever, over and above the cost of CMC. It also includes for arranging hand tools & tackles, special tools etc. required to carry out the work.

[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---**