



NEIGRIHMS

North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences
(An Autonomous Institute, Ministry of Health and Family Welfare, Government of India)
Directors Block Mawdiangdiang, Shillong, Meghalaya-793018

F.No:NEIGR/S&P/R - 04/2023-24/Pt - 3 (FB)

Date 07-03-2024

Notification of Award No:NEIGR/S&P/RCC/OT/G-04/2023-24/GEMC-511687716027404

Indent-No: IN03240005

PO ID:PO03240005 / Approved Date:07-03-2024

To

M/s Elke Drugs Distributor,
Laitumkrah, Nongrimbah Block III near Police
Beat House,Shillong - 793003, Tel:8794707022,
elkedrugs@yahoo.com

Principal:

M/s Draeger India Pvt. Ltd.,
10th Floor, Commerz II, International
Business Park, Oberoi Garden City, Off
Western Express Highway, Goregaon
(East), Mumbai - 400 063, India,
Tel:02261335600,
somnath.das@draeger.com

Sub: Award for Supply, Installation, Testing and Commissioning of 2 units of Trolley Mounting Anesthesia Workstation (Dragger, Fabious Plus XL with Vista 120) for Regional Cancer Center (RCC) with 5 years warranty and thereafter 5 year CMC for department / section of Radiation Oncology .

Reference:

- Tender Enquiry No: GEM/2023/B/4068926
- Offer No: NA
- Price Justification No:GEMC - 511687756765070, Dated - 25/03/2022
- Price Discount Letter No:Discounted on GEM Portal
- PO Remarks:In Principal Approval by the MOHFW, Govt of India (NE Section) vide Letter No - F No - U - 120025/20/2023-NE, Dated - 04/09/2023, Approved in the Internal Joint Procurement Committee vide IJPC No - 6/2023-24, held on 02/02/2024, vide Agenda No - 42

This Order/Memorandum issues with concurrence of Finance Branch vide their UO No C - 1129/2023-24 Dated 15-02-2024

Dear Sir/Madam,

With reference to Tender Enquiry No: **GEM/2023/B/4068926** and your Bid/Offer **NA** in response an order is hereby placed on you for the complete turnkey contract of supply, transportation, installation, commissioning, provision of technical assistance, after sales service, maintenance service and other such obligations of the tenderer, training at bidders cost and demonstration of Medical equipment at this Institute, as per details indicated herein.

This order which is intended for the supply of the store detailed in the scheduled below, in accordance with the terms & conditions of NEIGRIHMS /Government of India and in the manner specified herein, shall operate to create a specific contract between the contractor (with whom the contract referred to and the requisition are placed) on one part and NEIGRIHMS, Shillong, on the other part.

| Sl. No | Description Of Goods | Unit | Rate Per Unit | Total Amount on(DDP at Consignee Site) |
|--------|----------------------|------|---------------|--|
| | | | | |

PO03240005 / NEIGR/S&P/RCC/OT/G-04/2023-24/GEMC-511687716027404

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11/54
Store & P
Shillong-18

In words: INR Seventy Eight Lakhs Ten Thousands Rupees Zero Paise

Tenderer/ Vendors/ Contractor should note that the following terms and condiaitions will apply specifically in addition to the Rules and the Regulation as applicable to such purchases in the Government of India.

The consignee will enter into CMC with the Tenderer at the rates as stipulated in the contract. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for an amount equivalent to 3 % of the CMC value in the prescribed format given in Section XV valid till 2 months after expiry of entire CMC period.

During CMC period, the Tenderer shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The Tenderer shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.

The payment of Annual CMC will be made against the bills raised to the consignee by the Tenderer on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned /Competent Authority and on receipt of Bank Guarantee for an amount equivalent to 3 % of the CMC value valid till 2 months after expiry of entire CMC period. The payment will be made in Indian Rupees.

The tender / Manufacturer /OEM has provide minimum two mandatory Periodic Preventive mentainance in a year throughout the contract period failing which action will be initiated according to terms & condition of the tender, including forfeiture of the performance bank guarantee.

CMC Equipment Cost:

| S.no | Contract period | Units | Price Per Unit | Total Cost (Exclusive of GST) |
|------|--|-------|----------------|-------------------------------|
| 1 | Trolley Mounting Anesthesia Work Station with TFT Monitor (Make: Draeger India Pvt. Ltd., Model: Fabious plus XL with Vista120) | | | |
| | 6th year | 2 | ₹ 155,207.20 | ₹ 310,414.40 |
| | 7th year | 2 | ₹ 164,142.37 | ₹ 328,284.74 |
| | 8th year | 2 | ₹ 164,142.37 | ₹ 328,284.74 |
| | 9th year | 2 | ₹ 164,142.37 | ₹ 328,284.74 |
| | 10th year | 2 | ₹ 164,142.37 | ₹ 328,284.74 |

Delivery Schedule(Supply, Instalation, Testing, Commisioning with turnkey works):

For Indigenous goods or for imported goods if supplied from India: 90 days from date of Notification of Award to delivery at consignee site. (Tenderers may quote earliest delivery period).

For Imported goods directly from foreign:

- Supply within - 04/6/24

FOB Contracts- 90 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading or Airway Bill (Tenderers may quote the earliest delivery period)

Supply within - 04/6/24

DDP Contracts: 90 days from the date of opening of L/C. The date of delivery will be the date of receipt by the consignee as in Consignee Receipt Certificate (Tenderers may quote the earliest delivery period).

Subject to the stipulation, if any, in the bidding document, the Tenderer shall be required to perform the services viz. Installation, commissioning, supervision, demonstration, complete turnkey works, providing required jigs and tools for assembling. Civil works required for the completion of the installation, training of Consignee's Doctors, Staff, operators, etc for operating and maintaining the goods, supplying the required number of operation & maintenance manual for the goods

Liquidated Damages:

[Signature]

[Signature]
31/05/2024
31/05/2024

If the Tenderer fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, the purchaser shall, without prejudice to other rights and remedies available to the purchaser under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to a maximum of 10% of the contract price. Once the maximum is reached, purchaser may consider termination of the contract as per GCC 24. During the above-mentioned delayed period of supply and /or performance, the conditions incorporated under GCC sub-clause 22.4 above shall also apply. Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of GCC.

Performance Security:

Within thirty (30) days from date of the issue of Notification of Award by the purchaser, the Tenderer, shall furnish Performance Security to the purchaser for an amount equal to three percent (3%) of the total value of the contract, valid for a period of sixty days (60) beyond the date of completion of all contractual obligations including the warranty obligations. In the event of any failure /default of the tenderer with or without any quantifiable loss to the government including furnishing of consignee wise Bank Guarantee for CMC security, the amount of the performance security is liable to be forfeited

Performance Security may be furnished in the form of an Account Payee, Demand Draft, Fixed Deposit Receipt / Bank Guarantee from a Commercial Bank. Bid security should be refunded to the successful bidder on receipt of Performance Security.

Bidder /Tenderer are also required to sign the rate contract agreement, within 21 (twenty one) days from the issue of the notification of award, failing which EMD /Bid Security shall be forfeited.

Payment:

Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of GCC. Payment for domestic goods shall be made in Indian rupees as specified in the GCC clause 21.1. For Imported goods, 90% of the net FOB /CIF price (less Indian Agency Commission) as the case may be, through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country and remaining as per the terms & conditions indicated in GCC clause 21.

Corrupt or Fraudulent Practices /Code of Integrity:

It is required by all concerned namely the Consignee/Tenderers/Suppliers etc to observe the highest standard of ethics during the procurement and execution of such contracts and to abide by the Code of Integrity Act, as per GFR 2017. In pursuance of this policy, the Purchaser: - defines, for the purposes of this provision, the terms set forth below as follows: "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition; Will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question; Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for or in executing the contract

Settlement of Disputes

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To
The Director
Neigrihms
Mawdiangdiang
Shillong

Date:18/10/2023

Specification For Anaesthesia Workstation

| Sl. No. | Specification | Compliance Yes/No | Deviati Rema |
|---------|--|----------------------|-----------------|
| A | Specification for Anesthesia Workstation | | |
| 1 | General Requirement | | |
| a) | Compact and modular, three gas anesthesia workstation with an integrated ventilator for adult to infants and integrated airway monitor for airway pressures and volume. | Yes,we comply | |
| b) | The machine should be suitable for low and minimal flow anesthesia application with compliance compensation of breathing ckt, fresh gas flow compensation/ decoupling. | Yes,we comply | |
| c) | The machine should have 1 or more drawers | Yes,we comply | |
| d) | The anesthesia machine, inbuilt ventilator and vaporizer should be manufactured by same company with authorization /service agreement. | Yes,we comply | |
| e) | Dual Cascade /Electronic type flow meter tubes for Oxygen & N2O.Range 20 ml / min to 10 Lit/min. Calibrated in multiple scales. Single tube for air 100 ml to 14 L/ min. | Yes,we comply | |
| f) | The system should have upto 2 Hrs. battery backup | Yes,we comply | |
| g) | System should confirm to European CE and EN 60601-2-13 (Requirement for safety and essential performance of anesthesia system) | Yes,we comply | |
| 2 | Gas delivery system | | |
| a) | Should have pin index yokes for Oxygen & Nitrous Oxide besides separate connection for Central gas supply for Oxygen, Nitrous Oxide and Air. | Yes,we comply | |
| b) | The machine should have pressure gauges for cylinders & central supply lines mounted on front of Anaesthesia machine for better visibility. The gas connections should be non-interchangeable. | Yes,we comply | |
| c) | The system should be suitable to use at minimal flow upto 700ml fresh gas setting. | Yes,we comply | |
| d) | Automatic cutoff of N2O by Oxygen pressure failure. | Yes,we comply | |
| e) | Hypoxic guard for linear regulation of minimum oxygen concentration at 23% volume | Yes,we comply | |
| f) | To ensure patient safety minimum Oxygen flow of 200 ml at low fresh gas flow settings even below total 500 ml fresh gas flow. | Yes,we comply | |
| g) | Audible visual oxygen failure alarm. | Yes,we comply | |

[Handwritten signatures and dates]

| | | | |
|----|---|----------------|--|
| a) | Machine should have possibility to mount two quick mount type vaporizer for easy interchangeability, and safety with interlock facility | Yes, we comply | |
| b) | Should be provided with a Temperature / pressure compensated and flow independent Vaporizer Isoflourane & Sevoflourane. Desoflourane (Optional) | Yes, we comply | |
| c) | Vaporizer should have extended delivery range from 0 to 6 Vol. % | Yes, we comply | |
| d) | The vaporizer should require no calibration in its lifetime. | Yes, we comply | |
| 5 | Breathing System | | |
| a) | Should have fresh gas de-coupled semi closed circle absorber system | Yes, we comply | |
| b) | Should have adjustable pressure relief valve from 5 to 75 mbar | Yes, we comply | |
| c) | Should have change over from Spontaneous to Bag ventilation with single step. | Yes, we comply | |
| d) | The system should have leak and compliance test (including patient hoses upto the Y piece). | Yes, we comply | |
| e) | Should have compact breathing system with approx 1.7 Ltr. Volume capacity. | Yes, we comply | |
| f) | Should have an external fresh gas outlet for connecting Magill or Bain's circuit | Yes, we comply | |
| g) | The device should have port for anaesthesia gas scavenging system. | Yes, we comply | |
| 7 | Anaesthesia Ventilator | | |
| a) | The system should have inbuilt ventilator with electronically controlled and electrically driven technology. Should not require driving gas. | Yes, we comply | |
| b) | Should not require changing of bellows for adult & infants. | Yes, we comply | |
| c) | Should have colour screen size of 10.4". | Yes, we comply | |
| d) | Modes: Manual/Spont, Volume controlled, Pressure controlled, SIMV/PS, | Yes, we comply | |
| e) | The same ventilator should be capable to be upgrade to pressure support. | Yes, we comply | |
| f) | Tidal Volume : 20 ~ 1400 ml | Yes, we comply | |
| g) | PEEP : 0 ~ 20 mbar | Yes, we comply | |
| h) | Breathing Frequency : 4 to 60 BPM | Yes, we comply | |
| i) | I:E Ratio : 4:1 to 1:4 | Yes, we comply | |
| j) | Inspiratory pause : 0 – 50% of Ti | Yes, we comply | |
| k) | Should have Desflurane compensation | Yes, we comply | |
| l) | Should be able to ventilate with atmospheric air, in case of total gas supply failure. | Yes, we comply | |
| 8 | Integrated Airway monitoring and display of following parameters: | | |
| a) | Expiratory Tidal Volume | Yes, we comply | |
| b) | Expiratory Minute volume | Yes, we comply | |
| c) | PEEP, Peak & Mean and Plaetau airway pressure | Yes, we comply | |
| d) | Frequency | Yes, we comply | |
| e) | Waveform display for Airway pressure. | Yes, we comply | |
| 9 | Adjustable high/low alarm limits with audio and visual alarms for the following: | | |

| B | Specifications for Advanced Multipara monitor | | |
|----|---|----------------|--|
| 1 | Should be suitable for adult, paediatric neonatal patients monitoring. | Yes, we comply | |
| 2 | Should monitor ECG, Respiration, NIBP, SpO2, Dual Temperature, Three IBP as standard | Yes, we comply | |
| 3 | Should have ST analysis, Arrhythmia detection, pacer spike detection, Drug Dose Calculation and xyCRG as standard in every monitor | Yes, we comply | |
| 4 | Should have integrated 15" TFT-LCD colour touch screen display (resolution min 1024*768) with minimum 8 channels of waveforms. | Yes, we comply | |
| 5 | Defib and ESU protection should be present | Yes, we comply | |
| 6 | Should have monitoring, surgery and diagnostic mode of monitoring | Yes, we comply | |
| 7 | Should have Advance Arrhythmia monitoring for Asystole, Vfib/Vtac, VT>2, Couplet, Bigeminy, Trigeminy, R on T, PVC, Tachy, Brady, Missed Beats, IRR, PNC, Vbrady. | Yes, we comply | |
| 8 | Monitor access should be with Touch screen, rotary knob and fast access key for quick function. | Yes, we comply | |
| 9 | 150 hrs of trend and 200 alarm events with waveform as standard in all monitors. | Yes, we comply | |
| 10 | PPV Supported | Yes, we comply | |
| 11 | 96 hours of full disclosure | Yes, we comply | |
| 12 | Color or position of waveforms or parameters should be able to be adjusted based on users preferences. Big font on screen format should be present. | Yes, we comply | |
| 13 | Nurse call, VGA output port should be standard in every monitor. | Yes, we comply | |
| 14 | Monitor should have USB port for software upgrade | Yes, we comply | |
| 15 | Should have inbuilt three channel recorder. | Yes, we comply | |
| 16 | Should have min of 300mins of battery backup as standard in every monitor | Yes, we comply | |
| 17 | Upgradeable to export the Vitals as HL7 messages to the HIS | Yes, we comply | |
| 18 | Monitor should be ready for interface with select model of equipment like Anaesthesia machine/ventilators for displaying ventilation parameters, waveforms & loops. | Yes, we comply | |
| 19 | Anaesthesia gas monitoring (N2O, CO2, MAC) with Autogas identification. | Yes, we comply | |
| 20 | Connectivity to the central station both via wired and wireless network. | Yes, we comply | |
| 21 | Should be European CE complying to European Directive 93/42/EEC for both Monitor and software to control physiologic monitoring systems. | Yes, we comply | |
| 22 | Bed to Bed monitoring as standard | Yes, we comply | |
| 23 | Upgradable to Cardiac Output Monitoring | Yes, we comply | |
| 24 | Monitor should support Bar Code admit for the patient | Yes, we comply | |
| 25 | Anesthesia Machine Ventilator Data can be seen with Monitor. | Yes, we comply | |
| 26 | Anti-lost lock facility should be possible for better hospital asset management | Yes, we comply | |
| | Should have following parameters | | |

| | | | |
|----------|---|----------------|--|
| | - Through impedance pneumography method or EtCO2 | Yes, we comply | |
| | SpO2 | | |
| | - Should provide value for arterial oxygen saturation as well as plethysmographic pulse waveform | Yes, we comply | |
| | NIBP | | |
| | - By oscillometric principle of measurement. | Yes, we comply | |
| | - Should display Systolic, diastolic, mean pressure in large easy to read display | Yes, we comply | |
| | - Range: 10 to 270mmHg | Yes, we comply | |
| | Dual Temperature – core & skin. Range: 0 to 50 Deg C | Yes, we comply | |
| | Three IBP – Should include Starter kit and simultaneous monitoring of three temp and three IBP should be possible. Range: -50 to 300mmHg | Yes, we comply | |
| C | Specifications for Charting System / Documentation System | | |
| 1 | The Software should be able to integrate Patient monitor, Anaesthesia machine and Syringe pumps and other third-party devices | Yes, we comply | |
| 2 | Should display all OR Patient information like Name, Room Number, Patient ID, Ventilator status and attending physician names in single screen. | Yes, we comply | |
| 3 | Should enable OR workflows such as ADT (Admission Discharge and Transfer), flowsheet, Anesthesia documentation, Infusion Management, Medication, notes, scoring and other workflows. | Yes, we comply | |
| 4 | Should have electronic patient charts (flowsheets) which are populated with data acquired electronically via medical interface to other devices/information systems. Flowsheet data can be edited, validated, and annotated. | Yes, we comply | |
| 5 | Should have automatic/manual fluid Input/output sheets which allow the tracking of a patient's total fluid intake and output. | Yes, we comply | |
| 6 | Should have medication scheduling to create care-unit-based medication schedules which alert the staff to upcoming/past-due medication needs | Yes, we comply | |
| 7 | Should have special data screens for OR care units, such as customized data forms, outcomes documentation, staffing documentation and OR scheduling and Data annotation (notes/event, notes/OR event capture). | Yes, we comply | |
| 8 | Should have data protection Data and System Protection and Security like all users should be given an individual password that only they or admin can change. Personal data (name, DOB, etc. of patients and staff) should protected in the database under special password protection. | Yes, we comply | |
| 9 | Should have staff documentation during the case and should provide a configurable list of staff members like Name (first, middle, and last), Role, Group, Supervisor/Supervisor level, Time in/Time Out | Yes, we comply | |
| 10 | Should have data protection Data and System Protection and Security like all users should be given an individual password that only they or admin can change. Personal data (name, DOB, etc. of | Yes, we comply | |

| | | | |
|----------|--|---------------|--|
| 1 | Should be FDA/CE/UL /BIS /CDSCO/ISO13485 approved product | Yes,we comply | |
| 2 | Comprehensive training for lab staff and support services till familiarity with the system. Electrical safety conforms to standards for electrical safety IEC 60601- 1 (Or equivalent International | Yes,we comply | |
| 3 | National standard) general requirement for Electrical safety of Medical equipment | Yes,we comply | |
| E | Documentation: | | |
| 1 | User / Technical / Maintenance manuals to be supplied in English. | Yes,we comply | |
| 2 | Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out. | Yes,we comply | |
| 3 | Cost of spare parts, consumables and accessories which are not covered under warranty & CMC period has to quote in schedule XI as percentage value in the Technical Bid, or else will be consider to be cover throughout the warranty & CMC period. Throughout the warranty & CMC period. | Yes,we comply | |
| 4 | Calibration and routine Preventive Maintenance Support as per manufacturer documentation in service / technical manual has to be done throughout the warranty & CMC period. | Yes,we comply | |
| 5 | Compliance report to be submitted in a tabulated and point wise manner clearly mentioning the page / Paranumber of original catalogue / data sheet and the offer details has to submit in the technical bid. Any point,if not substantiated with authenticated catalogue / manual, will not be considered. | Yes,we comply | |
| 6 | Certificate of inspection and quality control indicating the S / N for all non-consumable items with date at the time of installation. | Yes,we comply | |
| F | Environmental factors: | | |
| 1 | Shall meet IEC-60601-1-2:2001 (Or Equivalent BIS) General Requirements of safety for ElectromagneticCompatibility or should comply with 89/366/ECC; EMC-Directive. | Yes,we comply | |
| 2 | The unit shall be capable of operating continuously in ambient temperature of 30-40 deg C and relative humidity of 15- 90 % . | Yes,we comply | |
| 3 | The unit shall be capable of being stored continuously in ambient temperature of 10-50 deg C and relativehumidity of 15 – 90 % | Yes,we comply | |
| | Warranty and Maintenance | | |
| a) | Warranty for the whole systems including software and hardware's including server and Desktops and network printer minimum: 5 years. including Spares &service. | Yes,we comply | |
| b) | Mandatory PM with unlimited breakdown calls has to be attended by the bidder/manufacturer throughout the warranty & CMC period at site.i.e. NEIGRIHMS,Shillong | Yes,we comply | |
| c) | Duly signed Mandatory PM reports has to be submitted periodically, falling which necessary action will be initiated as per term& condition of the tender | Yes,we comply | |
| F | Scope of supply | | |
| a) | 3 gas Anaesthesia machine | Yes,we comply | |
| b) | Trolley with 3 drawers | Yes,we comply | |

| | | | |
|----|---|----------------|--|
| i) | Adult & Pediatric autoclavable patient tubing | Yes, we comply | |
| j) | Anesthetic mask size – Adult & child | Yes, we comply | |
| k) | Vaporizers for Isoflurane & Sevoflurane | Yes, we comply | |
| l) | Central gas supply hoses (Color coded) | Yes, we comply | |
| m) | Monitor basic unit ECG, Resp, SpO2, Dual Temp, NIBP, Three IBP, inbuilt battery | Yes, we comply | |
| n) | 5 lead ECG Cable – 1 no each per monitor | Yes, we comply | |
| o) | SpO2 finger sensor – 1 no per monitor | Yes, we comply | |
| p) | Skin temperature probe – 1 no per monitor | Yes, we comply | |
| q) | NIBP Hose - 1 no per monitor | Yes, we comply | |
| r) | Adult & Paediatric cuff – 1 no each per monitor | Yes, we comply | |
| s) | Should be supplied with intermediate IBP cable– 2 no per monitor | Yes, we comply | |
| t) | Disposable transducers – 5 nos | Yes, we comply | |
| u) | Soda Lime – 1 Jar (From same OEM) | Yes, we comply | |
| v) | Instruction for Use | Yes, we comply | |

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Date: 30th Oct 2023
Ref No. GEM/2023/B/4068926

To,
The Deputy Director Admn
North Eastern Indira Gandhi Regional Institute Of Health And
Medical Sciences (neigrihms)
Neigrihms, Shillong,

Subject : Authorization Letter for Bid Participation

Tender Enquiry No. GEM/2023/B/4068926 dated 11.10.2023 for Anesthesia Workstation

Dear Sir/Madam,

We, **Draeger India Private Limited** a wholly owned subsidiary of **Draegerwerk Ag and Co KGaA, Germany** having registered office at **10th Floor, Commerz II, International Business Park, Oberoi Garden City, Off Western Express Highway, Goregaon (East) Mumbai-400063**, certify that we are fully authorized to conduct business in India for **Anesthesia Workstation (Model : Fabius Plus XL manufactured by Draegerwerk Ag and Co KGaA**.

We hereby authorize **M/s. Elke Drugs Distributor, Laitumkhrah, Nongrimbrah, Near Beat House, Shillong-793003, Meghalaya** to participate in the above- mentioned bid on GeM (Govt e-Marketplace) for Anesthesia Workstation. Model : Fabius Plus XL.

Thanking You,
For Draeger India Private Limited

Simanta Rajkhowa
Digitally signed by
Simanta Rajkhowa
Date: 2023.10.29
19:17:32 +05'30'
Simanta Rajkhowa
Sales Manager – North-East

REGISTERED OFFICE
Draeger India Private Limited
CIN: U51507MH2004FTC143991
10th Floor, Commerz 2, International Business Park,
Oberoi Garden City, Off Western Express Highway,
Goregaon East, Mumbai, MH - 400 063
www.draeger.com
Tel: +91 22 6133 5600
Email: customercareindia@draeger.com

WAREHOUSE
Draeger India Private Limited
Shed No. 6, Survey No. 42,
Village Deodai, Taluka: Vasai,
District: Palghar, Vasai East,
Maharashtra - 401 208

BRANCH OFFICES
Ahmedabad | Bengaluru | Chennai
Kochi | Kolkata | Lucknow | New Delhi

Signature

Signature

Signature

To
The Director
Neigrihms
Mawdiangdiang
Shillong

Date:18/10/2023

Specification For Anaesthesia Workstation

| Sl. No. | Specification | Compliance Yes/No | Deviati Rema |
|----------|--|----------------------|-----------------|
| A | Specification for Anesthesia Workstation | | |
| 1 | General Requirement | | |
| a) | Compact and modular, three gas anesthesia workstation with an integrated ventilator for adult to infants and integrated airway monitor for airway pressures and volume. | Yes,we comply | |
| b) | The machine should be suitable for low and minimal flow anesthesia application with compliance compensation of breathing ckt, fresh gas flow compensation/ decoupling. | Yes,we comply | |
| c) | The machine should have 1 or more drawers | Yes,we comply | |
| d) | The anesthesia machine, inbuilt ventilator and vaporizer should be manufactured by same company with authorization /service agreement. | Yes,we comply | |
| e) | Dual Cascade /Electronic type flow meter tubes for Oxygen & N2O.Range 20 ml / min to 10 Lit/min. Calibrated in multiple scales. Single tube for air 100 ml to 14 L/ min. | Yes,we comply | |
| f) | The system should have upto 2 Hrs. battery backup | Yes,we comply | |
| g) | System should confirm to European CE and EN 60601-2-13 (Requirement for safety and essential performance of anesthesia system) | Yes,we comply | |
| 2 | Gas delivery system | | |
| a) | Should have pin index yokes for Oxygen & Nitrous Oxide besides separate connection for Central gas supply for Oxygen, Nitrous Oxide and Air. | Yes,we comply | |
| b) | The machine should have pressure gauges for cylinders & central supply lines mounted on front of Anaesthesia machine for better visibility. The gas connections should be non-interchangeable. | Yes,we comply | |
| c) | The system should be suitable to use at minimal flow upto 700ml fresh gas setting. | Yes,we comply | |
| d) | Automatic cutoff of N2O by Oxygen pressure failure. | Yes,we comply | |
| e) | Hypoxic guard for linear regulation of minimum oxygen concentration at 23% volume | Yes,we comply | |
| f) | To ensure patient safety minimum oxygen flow of 200 ml at low fresh gas flow settings even below total 500 ml fresh gas flow. | Yes,we comply | |
| g) | Audible visual oxygen failure alarm. | Yes,we comply | |

| | | | |
|----|---|----------------|--|
| a) | Machine should have possibility to mount two quick mount type vaporizer for easy interchangeability, and safety with interlock facility | Yes, we comply | |
| b) | Should be provided with a Temperature / pressure compensated and flow independent Vaporizer Isoflourane & Sevoflourane. Desoflourane (Optional) | Yes, we comply | |
| c) | Vaporizer should have extended delivery range from 0 to 6 Vol. % | Yes, we comply | |
| d) | The vaporizer should require no calibration in its lifetime. | Yes, we comply | |
| 5 | Breathing System | | |
| a) | Should have fresh gas de-coupled semi closed circle absorber system | Yes, we comply | |
| b) | Should have adjustable pressure relief valve from 5 to 75 mbar | Yes, we comply | |
| c) | Should have change over from Spontaneous to Bag ventilation with single step. | Yes, we comply | |
| d) | The system should have leak and compliance test (including patient hoses upto the Y piece). | Yes, we comply | |
| e) | Should have compact breathing system with approx 1.7 Ltr. Volume capacity. | Yes, we comply | |
| f) | Should have an external fresh gas outlet for connecting Magill or Bain's circuit | Yes, we comply | |
| g) | The device should have port for anaesthesia gas scavenging system. | Yes, we comply | |
| 7 | Anaesthesia Ventilator | | |
| a) | The system should have inbuilt ventilator with electronically controlled and electrically driven technology. Should not require driving gas. | Yes, we comply | |
| b) | Should not require changing of bellows for adult & infants. | Yes, we comply | |
| c) | Should have colour screen size of 10.4" | Yes, we comply | |
| d) | Modes: Manual/Spont, Volume controlled, Pressure controlled, SIMV/PS, | Yes, we comply | |
| e) | The same ventilator should be capable to be upgrade to pressure support. | Yes, we comply | |
| f) | Tidal Volume : 20 ~ 1400 ml | Yes, we comply | |
| g) | PEEP : 0 ~ 20 mbar | Yes, we comply | |
| h) | Breathing Frequency : 4 to 60 BPM | Yes, we comply | |
| i) | I:E Ratio : 4:1 to 1:4 | Yes, we comply | |
| j) | Inspiratory pause : 0 – 50% of Ti | Yes, we comply | |
| k) | Should have Desflurane compensation | Yes, we comply | |
| l) | Should be able to ventilate with atmospheric air, in case of total gas supply failure. | Yes, we comply | |
| 8 | Integrated Airway monitoring and display of following parameters: | | |
| a) | Expiratory Tidal Volume | Yes, we comply | |
| b) | Expiratory Minute volume | Yes, we comply | |
| c) | PEEP, Peak & Mean and Plaetau airway pressure | Yes, we comply | |
| d) | Frequency | Yes, we comply | |
| e) | Waveform display for Airway pressure. | Yes, we comply | |
| 9 | Adjustable high/low alarm limits with audio and visual alarms for the following: | | |

| B | Specifications for Advanced Multipara monitor | | |
|----|---|----------------|--|
| 1 | Should be suitable for adult, paediatric neonatal patients monitoring. | Yes, we comply | |
| 2 | Should monitor ECG, Respiration, NIBP, SpO2, Dual Temperature, Three IBP as standard | Yes, we comply | |
| 3 | Should have ST analysis, Arrhythmia detection, pacer spike detection, Drug Dose Calculation and xyCRG as standard in every monitor | Yes, we comply | |
| 4 | Should have integrated 15" TFT-LCD colour touch screen display (resolution min 1024*768) with minimum 8 channels of waveforms. | Yes, we comply | |
| 5 | Defib and ESU protection should be present | Yes, we comply | |
| 6 | Should have monitoring, surgery and diagnostic mode of monitoring | Yes, we comply | |
| 7 | Should have Advance Arrhythmia monitoring for Asystole, Vfib/Vtac, VT>2, Couplet, Bigeminy, Trigeminy, R on T, PVC, Tachy, Brady, Missed Beats, IRR, PNC, Vbrady. | Yes, we comply | |
| 8 | Monitor access should be with Touch screen, rotary knob and fast access key for quick function. | Yes, we comply | |
| 9 | 150 hrs of trend and 200 alarm events with waveform as standard in all monitors. | Yes, we comply | |
| 10 | PPV Supported | Yes, we comply | |
| 11 | 96 hours of full disclosure | Yes, we comply | |
| 12 | Color or position of waveforms or parameters should be able to be adjusted based on users preferences. Big font on screen format should be present. | Yes, we comply | |
| 13 | Nurse call, VGA output port should be standard in every monitor. | Yes, we comply | |
| 14 | Monitor should have USB port for software upgrade | Yes, we comply | |
| 15 | Should have inbuilt three channel recorder. | Yes, we comply | |
| 16 | Should have min of 300mins of battery backup as standard in every monitor | Yes, we comply | |
| 17 | Upgradeable to export the Vitals as HL7 messages to the HIS | Yes, we comply | |
| 18 | Monitor should be ready for interface with select model of equipment like Anaesthesia machine/ventilators for displaying ventilation parameters, waveforms & loops. | Yes, we comply | |
| 19 | Anaesthesia gas monitoring (N2O, CO2, MAC) with Autogas identification. | Yes, we comply | |
| 20 | Connectivity to the central station both via wired and wireless network. | Yes, we comply | |
| 21 | Should be European CE complying to European Directive 93/42/EEC for both Monitor and software to control physiologic monitoring systems. | Yes, we comply | |
| 22 | Bed to Bed monitoring as standard | Yes, we comply | |
| 23 | Upgradable to Cardiac Output Monitoring | Yes, we comply | |
| 24 | Monitor should support Bar Code admit for the patient | Yes, we comply | |
| 25 | Anesthesia Machine Ventilator Data can be seen with Monitor. | Yes, we comply | |
| 26 | Anti-lost lock facility should be possible for better hospital asset management | Yes, we comply | |
| | Should have following parameters | | |

| | | | |
|----------|---|----------------|--|
| | - Through impedance pneumography method or EtCO2 | Yes, we comply | |
| | SpO2 | | |
| | - Should provide value for arterial oxygen saturation as well as plethysmographic pulse waveform | Yes, we comply | |
| | NIBP | | |
| | - By oscillometric principle of measurement. | Yes, we comply | |
| | - Should display Systolic, diastolic, mean pressure in large easy to read display | Yes, we comply | |
| | - Range: 10 to 270mmHg | Yes, we comply | |
| | Dual Temperature – core & skin. Range: 0 to 50 Deg C | Yes, we comply | |
| | Three IBP – Should include Starter kit and simultaneous monitoring of three temp and three IBP should be possible. Range: -50 to 300mmHg | Yes, we comply | |
| C | Specifications for Charting System / Documentation System | | |
| 1 | The Software should be able to integrate Patient monitor, Anaesthesia machine and Syringe pumps and other third-party devices | Yes, we comply | |
| 2 | Should display all OR Patient information like Name, Room Number, Patient ID, Ventilator status and attending physician names in single screen. | Yes, we comply | |
| 3 | Should enable OR workflows such as ADT (Admission Discharge and Transfer), flowsheet, Anesthesia documentation, Infusion Management, Medication, notes, scoring and other workflows. | Yes, we comply | |
| 4 | Should have electronic patient charts (flowsheets) which are populated with data acquired electronically via medical interface to other devices/information systems. Flowsheet data can be edited, validated, and annotated. | Yes, we comply | |
| 5 | Should have automatic/manual fluid Input/output sheets which allow the tracking of a patient's total fluid intake and output. | Yes, we comply | |
| 6 | Should have medication scheduling to create care-unit-based medication schedules which alert the staff to upcoming/past-due medication needs | Yes, we comply | |
| 7 | Should have special data screens for OR care units, such as customized data forms, outcomes documentation, staffing documentation and OR scheduling and Data annotation (notes/event, notes/OR event capture). | Yes, we comply | |
| 8 | Should have data protection Data and System Protection and Security like all users should be given an individual password that only they or admin can change. Personal data (name, DOB, etc. of patients and staff) should protected in the database under special password protection. | Yes, we comply | |
| 9 | Should have staff documentation during the case and should provide a configurable list of staff members like Name (first, middle, and last), Role, Group, Supervisor/Supervisor level, Time in/Time Out | Yes, we comply | |
| 10 | Should have data protection Data and System Protection and Security like all users should be given an individual password that only they or admin can change. Personal data (name, DOB, etc. of | Yes, we comply | |

| | | | |
|----------|--|---------------|--|
| 1 | Should be FDA/CE/UL /BIS /CDSCO/ISO13485 approved product | Yes,we comply | |
| 2 | Comprehensive training for lab staff and support services till familiarity with the system. Electrical safety conforms to standards for electrical safety IEC 60601- 1 (Or equivalent International | Yes,we comply | |
| 3 | National standard) general requirement for Electrical safety of Medical equipment | Yes,we comply | |
| E | Documentation: | | |
| 1 | User / Technical / Maintenance manuals to be supplied in English. | Yes,we comply | |
| 2 | Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out. | Yes,we comply | |
| 3 | Cost of spare parts, consumables and accessories which are not covered under warranty & CMC period has to quote in schedule XI as percentage value in the Technical Bid, or else will be consider to be cover throughout the warranty & CMC period. Throughout the warranty & CMC period. | Yes,we comply | |
| 4 | Calibration and routine Preventive Maintenance Support as per manufacturer documentation in service / technical manual has to be done throughout the warranty & CMC period. | Yes,we comply | |
| 5 | Compliance report to be submitted in a tabulated and point wise manner clearly mentioning the page / Paranumber of original catalogue / data sheet and the offer details has to submit in the technical bid. Any point,if not substantiated with authenticated catalogue / manual, will not be considered. | Yes,we comply | |
| 6 | Certificate of inspection and quality control indicating the S / N for all non-consumable items with date at the time of installation. | Yes,we comply | |
| F | Environmental factors: | | |
| 1 | Shall meet IEC-60601-1-2:2001 (Or Equivalent BIS) General Requirements of safety for ElectromagneticCompatibility or should comply with 89/366/ECC; EMC-Directive. | Yes,we comply | |
| 2 | The unit shall be capable of operating continuously in ambient temperature of 30-40 deg C and relative humidity of 15- 90 % . | Yes,we comply | |
| 3 | The unit shall be capable of being stored continuously in ambient temperature of 10-50 deg C and relativehumidity of 15 – 90 % | Yes,we comply | |
| | Warranty and Maintenance | | |
| a) | Warranty for the whole systems including software and hardware's including server and Desktops and network printer minimum: 5 years. including Spares &service. | Yes,we comply | |
| b) | Mandatory PM with unlimited breakdown calls has to be attended by the bidder/manufacturer throughout the warranty & CMC period at site.i.e. NEIGRIHMS,Shillong | Yes,we comply | |
| c) | Duly signed Mandatory PM reports has to be submitted periodically, falling which necessary action will be initiated as per term& condition of the tender | Yes,we comply | |
| F | Scope of supply | | |
| a) | 3 gas Anaesthesia machine | Yes,we comply | |
| b) | Trolley with 3 drawers | Yes,we comply | |

| | | | |
|----|---|----------------|--|
| i) | Adult & Pediatric autoclavable patient tubing | Yes, we comply | |
| j) | Anesthetic mask size – Adult & child | Yes, we comply | |
| k) | Vaporizers for Isoflurane & Sevoflurane | Yes, we comply | |
| l) | Central gas supply hoses (Color coded) | Yes, we comply | |
| m) | Monitor basic unit ECG, Resp, SpO2, Dual Temp, NIBP, Three IBP, inbuilt battery | Yes, we comply | |
| n) | 5 lead ECG Cable – 1 no each per monitor | Yes, we comply | |
| o) | SpO2 finger sensor – 1 no per monitor | Yes, we comply | |
| p) | Skin temperature probe – 1 no per monitor | Yes, we comply | |
| q) | NIBP Hose - 1 no per monitor | Yes, we comply | |
| r) | Adult & Paediatric cuff – 1 no each per monitor | Yes, we comply | |
| s) | Should be supplied with intermediate IBP cable– 2 no per monitor | Yes, we comply | |
| t) | Disposable transducers – 5 nos | Yes, we comply | |
| u) | Soda Lime – 1 Jar (From same OEM) | Yes, we comply | |
| v) | Instruction for Use | Yes, we comply | |

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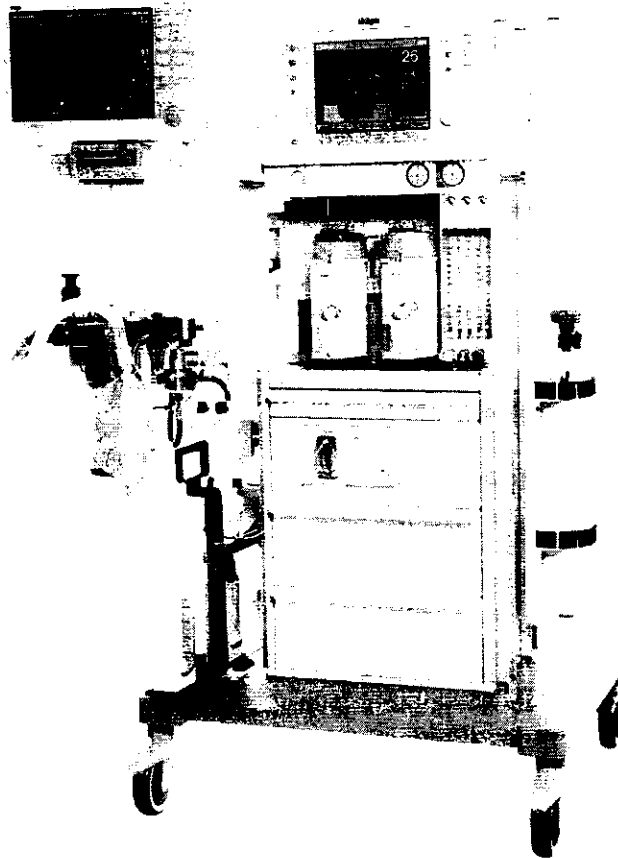
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Dräger Fabius® plus XL Anaesthesia Workstations

The Dräger Fabius plus XL combines proven German engineering you can count on with high performance ventilation therapy. Thanks to its scalable design concept, it allows you to choose the quality workstation you want now without losing sight of your future goals and needs.



*As per
attached
for
admission*

Dräger Technology for Life

Benefits

The Fabius plus XL

Designed to provide quality therapy and sophisticated monitoring capabilities in a compact yet versatile package, the Fabius plus XL incorporates proven German engineering. With a range of expansion options to choose from, it lets you enjoy the advantages of Dräger quality today while maintaining flexibility for the future.

Powerful yet affordable

In addition to the high-quality ventilation capabilities made possible by its highly accurate, electronically driven piston ventilator, the Fabius plus XL now includes a number of features which help you maximize your therapeutic potential and improve patient safety.

A clear view

The Fabius plus XL organizes and displays information clearly and logically on a 10.5 inch color display, providing an excellent overview from a wide range of viewing angles.

Flexible scalability

The Dräger Fabius plus XL lets you flexibly expand its capabilities by adding additional monitors, gas cylinders and other accessories such as infusion pumps.

Improved ergonomics

Carefully positioned mounting rails let you mount additional equipment within easy reach. The optional higher trolley lets you work comfortably in a standing position. An enhanced cable management concept combined with an integrated power outlet mean less cable clutter.

The space you need

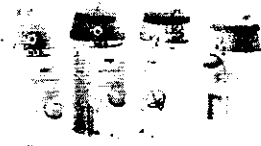
Three large drawers let you store consumables where they are needed – close by. The top storage drawer can be converted to install your choice of Scio gas measurement module.

John
Stacy
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after

System components

Dräger Vapor® 2000 and D-Vapor®

Dräger vaporisers have been the benchmark for quality for over 50 years. Quality trusted by doctors and nurses around the world: to date, over 400,000 Vapor units have been sold to hospitals around the world.



Vamos Family

The expandable Vamos Family lets you choose your gas monitoring solution today while keeping your options open for the future. In addition to CO₂ and SpO₂, your monitoring capabilities can be expanded to include all five common anaesthetic agents and N₂O.



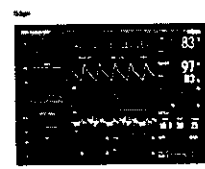
Scio Four Family

O₂, CO₂, N₂O, and volatile anaesthetic agents at a glance: Scio Four Family can be used with an Infinity monitor anywhere you need it.



Infinity® Delta

With the Delta multiparameter monitor, you can continuously monitor adult, pediatric and neonatal patients both at the bedside and on transport -- eliminating the need for separate transport monitors. Supports all patient acuity levels hospital-wide.



Stichmeier

Dräger

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Accessories

Drägersorb® Soda Lime

High safety ¹/₂ and CO₂ absorption capacity. Soda lime is essential for CO₂ absorption in inhalation anaesthesia machines with rebreathing systems. Yet conventional soda lime can produce Compound A and carbon monoxide.



WaterLock® 2

Perfect protection for precise gas measurement. Dräger WaterLock® 2 safely stops water from getting into the Multi-Gas Sensor. The membrane technology developed by Dräger for the WaterLock® 2 stops any bacteria or germs from getting into the gas measurement system. The WaterLock® 2 is also safe and simple to empty – with a further advantage in handling and hygiene.



Breathing Systems and Accessories

Bringing indispensable experience to disposable convenience.



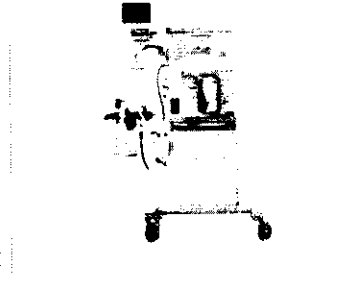
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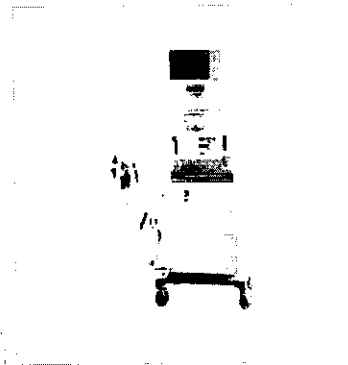
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Related Products



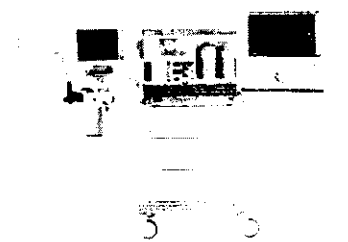
Dräger Fabius® Plus

Combine quality ventilation, easy operation and maintenance with open architecture expandability. The Dräger Fabius® Plus combines quality ventilation with enhanced flexibility and integration capabilities. It was designed to accommodate a wide range of options and accessories, allowing you to customize your Dräger Fabius® Plus to suit your particular needs.



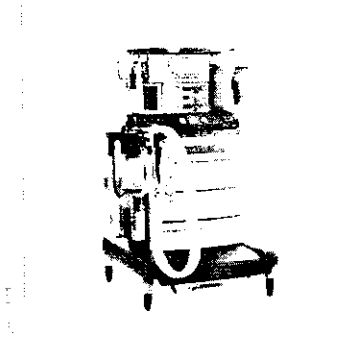
Dräger Fabius® Tiro

Get the most out of even the smallest spaces with a compact yet fully featured anaesthesia solution designed for use in a variety of specialized environments.



Dräger Fabius® GS premium

The Dräger Fabius® GS premium is an anaesthesia workstation that is simple to use, highly efficient and ready for the future. It features a solid design with modular architecture plus a wide range of ventilation capabilities. Customize your Fabius® GS premium exactly the way you need it.



Dräger Fabius® MRI

Increase the diagnostic capability of your MRI unit with the help of state-of-the-art ventilation in the Dräger Fabius® MRI anaesthesia system specially designed for use in MRI environments.

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