**HAFFKINE BIO PHARMACEUTICAL CORPORATION LIMITED****Procurement Cell****(A Government of Maharashtra Undertaking)****Regd. Office : Acharya Donde Marg, Parel, Mumbai 400 012 (INDIA)****Phone No: 022- 24129320-23****Managing Director :022-24150628****General Manager (Procurement Cell) :022-24100478****Website : http://www.vaccinehaffkine.com****E-mail: procurementcell@vaccinehaffkine.com**

प्रशासकीय मान्यता निधी १८,००,०००/-

जिल्हा वार्षिक योजना २०१९-२०

No.: 6892 /Haffkine/Procurement Cell/E-2042/Anaesthesia Work Station (Low End)/2022-23.**Date: 24/06/22****To,****M/s. LIFE CARE MEDICAL SYSTEMS**

303/304, The Corporate Centre,

Nirmal Life Style, Near Shoppers Stop,

L.B.S. Marg, Mulund (W)

Mumbai - 400 080.

E-Mail: lifecare@lcmssvn.com**Subject : Supply Order for Tender No. E-2042/Anaesthesia Work Station (Low End).****Reference: 1. Tender No. E-2042/HBPCL/PC/Anaesthesia Work Station (Low End)/2019-20.****2. शा. नि. क्र. : सीपीआर-२०१९/प्र.क्र.२२४/प्रशा-१ दि. १३ सप्टेंबर, २०१९.****3. Sanction of Tender Approval Committee Meeting No. 146 Dated 09.03.2022.**

With reference to the tender cited under reference no 1, you are requested to supply the following goods as per details mentioned below to consignee list enclosed with this order.

| Sr. No. | Name of the item | Specification of item | Quantity/ Unit (DMER) | Unit Rate inclusive of GST(Rs.) | Total Amount Rs. |
|---|--|--------------------------|-----------------------|---------------------------------|------------------|
| 1. | Anaesthesia Work Station (Low End) Make: Shenzhen Mindray Biomedical Electronic Co. Ltd. Model : WatoEx-30 + uMEC15 | As per Annexure X | 01 | 16,07,663/- | 16,07,663/- |
| Total amount in words: Rupees Sixteen Lakhs Seven Thousand Six Hundred Sixty Three Only. | | | | | |
| Factory Location: M/s. Shenzhen Mindray Bio-Medical Electronic Co. Ltd., 1203, Nanhuan Avenue, Guangming District 518106 Shenzhen P. R. China. | | | | | |

- Forwarding:** Forwarding Free on Road Destination. I.e. door delivery basis.
- Delivery Period:** 12 weeks from the date of receipt of order by the supplier to the consignee attached.
- Pre-Dispatch Inspection:** Supplier shall make necessary arrangement / facilitate to carry out Pre-Dispatch inspection as per Tender Terms & condition and submit the Inspection report to this office. The Pre-Dispatch inspection cost will be borne by supplier. Machine should be dispatched only after satisfactory Pre-Dispatch Inspection.

- 4 **Risk purchase clause:** If the bidder fails to supply the stores within the stipulated delivery period, the order will stand cancelled. Undersigned shall be entitled to purchase such stores from any other source at such price which ordinarily should not be more than 10% of the tender price. The extra expenditure in such cases shall be recovered by Managing Director, Haffkine Bio Pharmaceutical Corporation Ltd. (Procurement Cell), Mumbai from the Supplier.
- 5 **Payment Terms:** Payment of 100% of the contract value will be made within 8 weeks on delivery and successful installation and satisfactory commissioning and operation of the machinery.
- 6 **Acceptance & Receipt:** It should be submitted in Appropriate Format to the purchasing authority.
- 7 **Delivery Challan** - Should be sent in the name of consignee in duplicate. It should specify Name of Equipment / Mfg. by / packing & quantity.
- 8 **Invoice Copy** - Should be sent in triplicate on the Name of Managing Director, Haffkine Bio Pharmaceutical Corporation Ltd.(Procurement Cell), Mumbai. Along with Bill of Entry and Country of Origin Certificate of the consignment.
- 9 **Other Terms :**
 - 1) **Warranty:** The warranty period shall be for 2 years from the date of commissioning of all equipment supplied as certified by the consignee. After completion of 2 years warranty period Manufacturer/Supplier should give commitment to ensure services and supply of spare part for further 8 years. The successful tenderer must ensure 95% uptime during warranty period. In case of downtime, warranty period will be extended for period of downtime. If the equipment is not attended within 24 hours for Mumbai and 48 hours for other places the supplier will be liable to pay a penalty of 0.07% of purchase cost for every day of delay. Such penalty will be recovered from the amount of security deposit. Certificate of such uptime / downtime issued by the end user will be binding for the supplier Replacement of spares parts thereof due to manufacturing defects during warranty period will be entirely at the supplier's cost.
 - 2) The user institution will enter to the Comprehensive Maintenance Contract with supplier agency @ 5% of the order value (excluding taxes) of the equipment per year for 8 years after completion of warranty period. In case of non-compliance of CMC the supplier will be liable to pay penalty or for appropriate action. Payment of CMC on yearly basis will be made by the user's institution, at the end of the year after satisfactory performance report from the end user.
- 10 **Contract Agreement:** Bidder should submit a tripartite (Importer, Manufacturer and Haffkine Bio Pharmaceutical Corporation Ltd.) Contract Agreement on non-judicial stamp paper of requisite value.

Fall Clause

It is a condition of the contract that all through the currency thereof, the price at which you will the supply stores should not exceed the lowest price charged by you to any customer during the currency of the contract and that in the event of the prices going down below the rate contract prices you shall promptly furnish such information to us to enable to amend the contract rates for subsequent supplies.


- 11 The Bidder should submit (within 7 days) amount of 1.5% i.e. **Rs. 24,115/-** of order value to meet other incidental expenditure and 3% i.e. **Rs. 48,230/-** as Security Deposit in form of Bank Guarantee. The Bank Guarantee valid for 2 months after the expiry of date of warranty issued by any Nationalized / Scheduled Bank.

Amount to be deposited to Following Account:

| | |
|---------------------------|---|
| Name of Account | Haffkine B P C L (Procurement Cell), CESS Account |
| Name of the Bank & Branch | Bank of Maharashtra, Branch- Mumbai Parel |
| Account No. | 60381379835 |
| IFSC Code | MAHB0000079 |

Consignee: As per list enclosed

मा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता


Dr. Sadanand Bhise
General Manager

Haffkine Bio Pharmaceutical Corporation Ltd.
(Procurement Cell), Mumbai.

Copy to:

- 1) Commissioner Health Services, Mumbai.
- 2) Director, Medical Education & Research, Mumbai-400 001.
- 3) Account Manager, Haffkine Bio Pharmaceutical Corporation Ltd. (Procurement Cell), Mumbai.
- 4) Office File.

Copy to Consignee: **Dean, Chhatrapati Pramilaraje General Hospital, Kolhapur.:** As per Tender Condition No.17 The user Institution should get the Comprehensive Maintenance Contract done with supplier agency @ 5% of the Order value (excluding taxes) of equipment per year for Eight years after Completion of warranty period.

Copy Submitted to: 1) Secretary, Medical Education & Drug Department, Mantralaya, Mumbai.

Annexure-X

| Sr. No. | Specification for Anaesthesia Work Station (Low End) |
|---------|---|
| A. | Basic Unit: |
| 1 | The unit should be cost-effective, flexible anaesthesia workstations for performing and monitoring inhalation anaesthesia, suitable for Adult as well as Neonate. |
| 2 | The Anesthesia workstation should have In-built ventilator with coloured minimum 8.00 inch TFT or LED display, integrated Co2 absorber, vaporizers and multi parameter monitor with Anesthesia Gas Monitoring facility, All these components should be of the same manufacturer or other company of Proven Technology with their label on each component. |
| 3 | The Unit should be able to connect to Central pipeline & there should be provision of One PIN Index Yoke to connect to One Emergency Gas Cylinder of O2 & N2O each. Pipeline supply should be present. |
| 4 | The unit should have Powder Coated Steel Trolley with 4 Wheels & min 2 drawers & the front wheels should have locking device . The unit should have Rail on one side to mount other equipment's. |
| 5 | Gas delivery system: Machine shall provide dual cascading Rota meter for O2 & N2O and single for Air for accurate mixing. It should work for low flow. |
| 6 | Hypoxic guard to provides a nominal minimum 25% concentration of oxygen in O2/N2O mixture. It should have proven hypoxia guard design using the Pin-valve Mechanism or equivalent mechanism. |
| 7 | Oxygen Flush: Range: 25 to 75 L/min. |
| 8 | It should be equipped with Power on self-test routine. |
| 9 | The unit should have common gas outlet for using open circuit & the unit should have easy change over from open circuit to closed circuit or vice versa. |
| 10 | International Standard:- the unit should comply with International Standards & should have EC Marking, EN/IEC 60601-1, Quality systems Medical Devices certification, FDA or EC Certified. |
| B | Breathing system (close circuit system) |
| 1 | It should be latex free and integrated to the CO2 absorber of minimum 1.4 kg & CO2 absorber should be single chamber design having easy removal & re-fitting during operation ,with CO2 bypass capability |
| 2 | It should have fully auto cleavable at 134 deg C. It should have pressure Graduated Metallic APL Valve, and Inspiratory Valve, Expiratory Valve and Bag to Vent switch to easily move from ventilator to manual bag ventilation. |
| 3 | The machine should have patient airway pressure monitoring giving the Pmax, Pmean, and Peep values. |
| 4 | Machine shall provide circle mode breathing circuit, Reusable closed circuit for adult, pediatric and neonate. |
| C | Vaporizers: it should have provision to connect Two Selecta Tec mount vaporizers Or Auto Exclusion & the unit should be provided with two vaporizers equivalent to TEC, 7 type, One of Isoflurane & One of Sevoflurane. |
| D | Integrated Anesthesia Ventilator : In built Anastasia ventilator: |
| 1 | It should have Integrated Microprocessor Controlled & Pneumatically Driven |

| | |
|----|--|
| | Ventilator with bellows and the same bellows/piston should be useful for Pediatric & adult application, thus avoiding change of bellows. |
| 2 | The unit should have fresh Gas De-coupling or Continual fresh gas flow with fresh gas flow compensation during mechanical ventilation. |
| 3 | Modes of ventilation: VCV, PCV, manual ventilation, spontaneous mode and standby mode. |
| 4 | Tidal volume: tidal volume delivery 20 to 1400ml (volume control). |
| 5 | Rate: 4 to 60 7 above bpm |
| 6 | Peep: off, 4 to 20cms H ₂ O & Above |
| 7 | Selectable I : E ratios: 2:1 to 1:8 : Inspiratory Pressure from 5 up to 50 cms H ₂ O; FiO ₂ %; 21% to 100% (increments of 1%) |
| 8 | Ventilator shall be capable of 90-150 L/min peak flow. |
| 9 | It should have a high contrast color min 8 inch TFT LED display |
| 10 | Alarms:- It should have clear alarms and user information as text messages. It is essential that unit should prompt user for corrective action rather than giving only alarm with no diagnostic message. |
| E | Specifications for Multi Parameter Patient Monitor |
| 1 | Parameters:- should have touch screen and capable of Monitoring Heart rate, SPO ₂ , NIBP, ECG, 2x Temp, RR and 2x IBP (Upgradable to 4) and ETCO ₂ monitoring. |
| 2 | Display: should have a display of 15 inch and above diagonal color TFT/LED display. |
| 3 | Should operate through Rotary knob & Membrane Keyboard. |
| 4 | Fields:- should have 8 waveforms fields. |
| 5 | ECG: should have provisions to connect 3 or 5 Lead ECG cables. |
| 6 | NIBP:-should have NIBP measurement by Osillometric method. Should have manual/ Automatic modes of measurement. Should have measurement range of 20 to 250 mm Hg |
| 7 | Invasive BP: should have 2 channel invasive blood pressure (IBP)measurement should have waveform IBPL and IBP2. |
| 8 | Temperature:- should have provision for Two temperatures with display of T1 and T2 |
| 9 | Respiration: should have respiration by impedance method. |
| 10 | SPO ₂ : It must use Low perfusion technology to measure oxygen saturation for accuracy during motion artifacts, low perfusion states like shock, bradycardia and hypothermia. Should have SPO ₂ measurement with plethysmograph, and SPO ₂ values with range 50% to 100%. |
| 11 | ETCO ₂ Monitoring: ETCO ₂ monitoring should be possible with main stream Or Side Stream technology. Should display ETCO ₂ graph and numerical value on monitor. |
| 12 | Alarm facility:- Should have Alarm facility for HR limits, Arrhythmia, ST segment limit, and all other parameter limits. |
| 13 | Graphs & Trends:- Should have 24 hr of Graphical and Tabular Trend for BIBP, HR, SPO ₂ , ETCO ₂ , RR, IBP1, IBP2, T1,T2, A WRR, ST Segment. |
| 14 | Facility to store snapshots during critical events for waveform review at a later stage. |
| 15 | Audio visual and graded alarming system. |
| 16 | Monitor should be CE and FDA approved. |

| | |
|----|---|
| F | System Configuration Accessories, spares and consumables: Should be supplied with the following Standard Accessories: |
| a) | 3 Lead ECG cable-2 Nos. Lead ECG cable-2 Nos. |
| b) | SPO2 finger probe for Adult and Pediatric application -1 each |
| c) | SPO2 Neonatal Probe-1 |
| d) | ETCO2 mainstream monitoring cable and necessary accessories. 1 set |
| e) | NIBP cuff for Adult and Pediatric applications |
| f) | 2 IBP Transducers and 1 connecting cable |
| g) | 2 Temperature Probes |
| h) | Esophageal temperature probe. 1 |
| i) | Disposable Adult & Pediatric circuits-50 each. |
| j) | HME filters-50 |
| G. | Environmental Factors:- |
| | 1. The unit shall be capable of operating continuously in ambient temperature of 10-40 deg C and relative humidity of 15-90%. |
| | 2. The unit shall be capable of being stored continuously in ambient temperature of 0-50 deg C and relative humidity of 15-90 % |
| | 3. Shall meet IEC-60601-1-2:2001 (Or Equivalent BIS) General Requirement of Safety for Electromagnetic Compatibility or should comply with 89/366ECC; EMC directive. |
| H. | Power Supply- |
| | 1. Power input to be 220-240 VAC, 50Hz fitted with Indian plug |
| | 2. Voltage corrector/ stabilizer of appropriate ratings meeting ISI Specifications. |
| | 3. (Input 160-260 V and output 220-240 V and 50 Hz) |
| | 4. Should provide suitable Isolation Transformer with true online UPS with maintenance free batteries for minimum one- hour back up should be supplied with the system. |
| I. | Standard, Safety & Training:- |
| | 1. Should be European CE/ US FDA approved product |
| | 2. Shall meet the safety requirement as per IEC 60601- Requirements for the safety of electrocardiographic monitoring equipment. |
| | 3. Manufacturer /Supplier should have ISO 9001 and ISO 13485 certification for quality standards. |

Consignee Details

| | | |
|--|--|-------------|
| M/s. LIFE CARE MEDICAL SYSTEMS | | |
| Anaesthesia Work Station (Low End) | | |
| Make: Shenzhen Mindray Biomedical Electronic Co. Ltd. | | |
| Model : WatoEx-30 + uMEC15 | | |
| Delivery Period | 12 weeks | |
| PO Ref. No. | No.: 6892 /Haffkine/Procurement Cell/E-2042/Anaesthesia Work Station (Low End)/ 2022-23. Date: 24/06/22 | |
| प्रशासकीय मान्यता निधी १८,००,०००/- जिल्हा वार्षिक योजना २०१९-२० | | |
| Sr. No. | Name & Address of the Consignee | Oty. (DMER) |
| 1. | Chhatrapati Pramilaraje General Hospital, Kolhapur. | 01 |
| Total : | | 01 |

भा. व्यवस्थापकीय संचालक यांच्या मान्यतेने व करिता

Dr. Sadanand Bhise
General Manager

Haffkine Bio Pharmaceutical Corporation Ltd.
(Procurement Cell), Mumbai.

