



# JAMMU AND KASHMIR MEDICAL SUPPLIES CORPORATION LTD.

(Public Sector Undertaking of the Government of Jammu and Kashmir)

Corporate Head Office: GMC Complex, Bakshi Nagar, Jammu -180001, Ph. 0191-2580842

Corporate Office: 121-Green Avenue, Hyderpora (J&K)-190014: Telefax: 0194-2432008

email: enquiry@jkmscl@gmail.com, jkmsclepm@gmail.com; website: www.jkmscl.nic.in

M/S S.R. Technomed,  
Plot No. 22  
Bakshi Nagar, Jammu

No: JKMSCL/2018/PS/MD/76-90

Dated: 11-09-2018

Ref No. 1. NIT/JKMSCL/SPL-INST/2016/32 dated 15.09.2016

2. Minutes of State Level Purchase Committee vide No. JKMSCL/MD/PS/2018/2636-50 dated 19.03.2018.

Dear Sir,

The Jammu and Kashmir Medical Supplies Corporation J&K has approved the following item/item(s) under group "Machinery & Equipments" in your favour, as per the rates mentioned against each. The rate contract shall remain valid for a period of one year (12 Months) from the date of issuance of the Contract which may be extended for a period of 90 days or till such time the new rate contract is finalized, whichever is earlier, with mutual consent of JKMSCL and successful bidder:

| Name of the item   | Net Basic Rate<br>(1) | Taxes<br>GST (2) | CMC RATES<br>(3) | Total rates<br>(1+2+3) |
|--|-----------------------|------------------|------------------|------------------------|
| <b>Neurosurgical Diathermy Unit with Accessories</b>   | 462447.68             | 55493.76         | 25000.           | (1+2) =                |
| <b>Mfg : Meditronic Covidien Healthcare India Pvt. Ltd</b>   |                       |                  |                  | 517941.44              |
| <b>Model : Force Fx Electrosurgical Generator with Instant Response Technology</b>   |                       |                  |                  | CMC(03)                |
| <b>HSN code : 518935</b>   |                       |                  |                  | (1+2+3) =              |
| The micro processor based isolated electro surgical diathermy unit should be compatible with Argon coagulation system, designed for all open surgeries with monopolar and bipolar modes available. |                       |                  |                  | 542941.4               |
| <b>The following features are required</b>   |                       |                  |                  |                        |
| 1. Highest power efficiency rating-have to be within the range more than 90%.  |                       |                  |                  |                        |
| 2. Real time tissue types reducing thermal spread, RF interference and Neuro muscular stimulation and sparks.  |                       |                  |                  |                        |
| 3. Return electrode contact quality monitoring (REM) system with adaptive REM facility.  |                       |                  |                  |                        |
| 4. Facilitating two surgeons at a time using in a surgery.   |                       |                  |                  |                        |
| 5. Numeric Error system should be inbuilt.   |                       |                  |                  |                        |
| 6. With a single button, previous power setting can be recalled.   |                       |                  |                  |                        |
| 7. Type CF equivalent (IEC 601-1 & IEC 601-2-2) Defibrillator proof.   |                       |                  |                  |                        |
| 8. US FDA and European CE certified.   |                       |                  |                  |                        |
| 9. Facilitating under water cutting with coagulating.  |                       |                  |                  |                        |
| 10. Spray mode with highest * Crest Factor (7-9) – (* Crest factor as an indicator of a waveform's ability to coagulate bleeders without cutting effect).  |                       |                  |                  |                        |

|  |  |  |  |  |
|--|--|--|--|--|
| <p>11. There should be sufficient coag modes to be present for all applications (preferably 4 coag modes)</p> <p>12. Must be compatible with smoke evacuator system, Argon Plasma Coagulator System and CUSA.</p> <p><b>Input Power Source :</b><br/> Operating Range : 170-260 VAC<br/> Line Frequency : 50-60 Hz.</p> <p><b>Minimum High Frequency Leakage</b><br/> Bipolar            Less than 60 mA<br/> Monopolar        Less than 150 mA</p> <p><b>Output Characteristics</b><br/> It should maintain the international standard.</p> <p><b>Accessories (Mandatory – Rate to be quoted alongwith item)</b></p> <ol style="list-style-type: none"> <li>1. Dual pedal monopolar footswitches for CUT and Coag activation.</li> <li>2. Bipolar footswitch.</li> <li>3. 2 button electrosurgical hand switching pencil Blade electrode wand with necessary connecting cable : 20 pcs.</li> <li>4. Patient return electrode with adaptive monitoring facilities – 24 pcs.</li> <li>5. Bipolar forceps with connecting cord (Bayonet Shape) – 06 pcs.</li> <li>6. Universal active adaptor for LAP and under cutting surgeries.</li> <li>7. Ball Coagulating electrode – 04 pcs</li> <li>8. Sharp needle electrode – 04 pcs.</li> <li>9. Extended needle electrode for deeper approach – 04 pcs.</li> <li>Loop Electrode – 10 pcs.</li> </ol> |  |  |  |  |
|--|--|--|--|--|


### Terms and Conditions:

- 1. Delivery Site :** Rate are FOR Drug warehouse of JKMSCL/any Govt. Institution of J&K State, wherever installation is required.
- 2. Validity :** The rate contract shall remain valid for a period of two years from the date of issuance of the Contract which may be extended for a period of 90 days or till such time the new rate contract is finalized, whichever is earlier, with mutual consent of JKMSCL and successful bidder.
- 3. Taxes:** As mentioned above. The Custom duty shall be paid as actual on the production of documentary proof.
- 4. Warranty:** Five Years from the date of installation.
- 5. Performance Security** You are further required to deposit the performance security equivalent to 5% of the total invoice value in the shape of Bank Guarantee in favour of FA/CAO, JKMSCL within seven days from the date of issuance of Purchase Order(s) from time to time.  
Within 90 days from the date of issuance of supply order.
- 6. Supplies** In case of extension in the delivery period with liquidated damages, recovery of liquidated damages shall be made at such rates, as given below, of value of stores which the bidder has failed to supply :-
- 7. Penalty**
  - (a) Delay up to one- fourth period of the prescribed delivery period – 2.5%
  - (b) Delay exceeding one fourth but not exceeding half of the prescribed delivery period – 5%
  - (c) Delay exceeding half but not exceeding three- fourth of the prescribed delivery period – 7.5%
  - (d) Delay exceeding three- fourth of the prescribed period -10%

(e) Fraction of a day in reckoning the period of delay in supplies shall be eliminated if it is less than half a day. The maximum amount of agreed liquidated damage shall be 10%.

8. **Installation** : Installation / commissioning and necessary training for upkeep of the equipment shall be provided free of cost.
9. **Availability of Spares**: Firm shall certify that the parts of the equipment shall remain available atleast for a period of five years after the year of expiry of warranty period of five years.
10. You have to certify that the rates mentioned above as quoted by your firm are the lowest rates applicable to all Govt./private Institution/PSU etc. Variation found if any, during the rate contract period by the Corporation/Intending department or any other agency shall be the sole responsibility of the Contractor/Supplier/manufacturer/importer.
11. The supplier/manufacturer/importer shall ensure to supply the item(s) strictly as per specifications/sample(s) approved. Variations found, if any, in instant case/or in later stages by the Corporation/Intending department/any other agency which may lead to sub standard or Not of standard/approved quality, shall be the sole responsibility of the supplier/ manufacturer/ importer/contractor.
12. JKMSCL is at liberty to get the feedback from the end-user department regarding the functioning of the machinery & equipment supplied by your agency. Adverse report, if any, may lead to strict action against you under rules/terms & conditions of the NIT/guidelines issued by the Govt. from time to time.
13. **Comprehensive Maintenance Agreement** : You are further required to execute Comprehensive maintenance agreement before the release of payment.
14. **Orders shall only be placed on the basis of actual requirement and funds are available under the relevant Head of Accounts.**

All the terms and conditions of the NIT, terms mentioned in the LOI shall be part of the approved Rate Contract.

  
(Inder Jeet), KAS  
Managing Director / T

Copy for information to the:

1. Principal Secretary to Govt., Health & Medical Education Deptt., J&K (Director, Board of Directors-JKMSCL).
2. Principal, Govt. Medical College, Srinagar (Kashmir) (Director, Board of Directors- JKMSCL).
3. Principal, Government Medical College, Jammu (Director, Board of Directors JKMSCL).
4. Principal, Government Dental College, Srinagar (Director, Board of Directors- JKMSCL).
5. Principal, Government Dental College, Jammu (Director, Board of Directors- JKMSCL).
6. Director General, Indian System of Medicines, J&K (Director, Board of Directors- JKMSCL).
7. Director, Family Welfare, MCH & Immunization, J&K (Director, Board of Directors- JKMSCL).
8. Director, Health Services, Jammu (Director, Board of Directors- JKMSCL).
9. Director, Health Services, Kashmir (Director, Board of Directors- JKMSCL).
10. Mission Director, NHM, J&K (Director, Board of Directors- JKMSCL).
11. Controller, Drug & Food Control Organization, J&K (Director, Board of Directors JKMSCL).
12. F.A/Chief Accounts Officer, J&K Medical Supplies Corporation Limited.
13. General Manager -J (Adm), J&K Medical Supplies Corporation Limited.
14. General Manager -K(P&S, IT), J&K Medical Supplies Corporation Limited.
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M/S Access Traders  
16-C Gandhi Nagar  
Jammu  
[Access\\_traders@yahoo.co.in](mailto:Access_traders@yahoo.co.in)

No: JKMSCL/RC/2018/61-75

Dated: 11-04-2018

**Sub:** Finalization of Annual Rate Contract for the procurement of "Machinery & Equipments" - issuance of Rate Contract thereof.

Ref No. 1. NIT/JKMSCL/Mach/2017/275 dated 04.09.2017

2. Minutes of State Level Purchase Committee vide No. JKMSCL/MD/PS/2018/2636-50 dated 19.03.2018.

Dear Sir,

The Jammu and Kashmir Medical Supplies Corporation J&K has approved the following item/item(s) under group "Machinery & Equipments" in your favour, as per the rates mentioned against each. The rate contract shall remain valid for a period of two year (24 Months) from the date of issuance of the Contract which may be extended for a period of 90 days or till such time the new rate contract is finalized, whichever is earlier, with mutual consent of JKMSCL and successful bidder:

| Name of the item   | Currency | Basic Rates without Tax with conversion (1) | Taxes (2)                                | CMC Rates (in Rs.) (3) | Total Amount (in Rs.) With taxes and CMC (4) = (1+2)+3                                    |
|--|----------|---|--|------------------------|---|
| <b>"High Capacity Electronic Oscillator System"</b><br>(Specifications attached as Annexure I)<br><br>Manufactured by : Su-Kam Power Systems Ltd |          |   |  |                        |   |
| Single Phase 5 KVA   | INR      | 435937                                      | CGST:<br>39234.33<br>SGST :<br>39234.33  | 160000.00/-            | Quoted Rate (1+2):<br>514405.66<br>CMC (3) :<br>160000.00<br>Total (1+2+3):<br>674405.66  |
| Single Phase 7.5 KVA   | INR      | 614843                                      | CGST :<br>55335.87<br>SGST :<br>55335.87 | 200000.00/-            | Quoted Rate (1+2):<br>725514.74<br>CMC(3) :<br>200000.00<br>Total (1+2+3):<br>925514.74   |
| Single Phase 10 KVA  | INR      | 993750                                      | CGST:<br>89437.5<br>SGST :<br>89437.5    | 280000.00/-            | Quoted Rate (1+2):<br>1172625.00<br>CMC(3) :<br>280000.00<br>Total (1+2+3):<br>1452625.00 |
| Three Phase 10 KVA   | INR      | 1203125                                     | CGST :                                   | 400000.00/-            | Quoted Rate (1+2):  |


|                     |     |         |  |              |   |
|---------------------|-----|---------|--|--------------|---|
|                     |     |         | 108281.25<br>SGST :<br>108281.25           |              | 1419687.50<br>CMC (3):<br><br>400000.00<br>Total(1+2+3) :<br><br>1819687.50                                 |
| Three Phase 15 KVA  | INR | 1752343 | CGST :<br>157710.87<br>SGST :<br>157710.87 | 520000.00/-  | Quoted Rate<br>(1+2):<br><br>2067764.74<br>CMC(3) :<br><br>520000.00<br>Total (1+2+3):<br><br>2587764.74    |
| Three Phase 20 KVA  | INR | 2036718 | CGST :<br>183304.62<br>SGST :<br>183304.62 | 640000.00/-  | Quoted Rate<br>(1+2) :<br><br>2403327.24<br>CMC(3) :<br><br>640000.00<br>Total (1+2+3):<br>3043327.24       |
| Three Phase 30 KVA  | INR | 2957812 | CGST :<br>266203.08<br>SGST :<br>266203.08 | 800000.00/-  | Quoted Rate<br>(1+2):<br><br>3490218.16<br><br>CMC (3):<br>800000.00<br><br>Total (1+2+3):<br>4290218.16    |
| Three Phase 40 KVA  | INR | 3918750 | CGST :<br>352687.5<br>SGST :<br>352687.5   | 1088000.00/- | Quoted Rate<br>(1+2)<br><br>4624125.00<br>CMC(3) :<br><br>1088000.00<br>Total (1+2+3):<br><br>5712125.00    |
| Three Phase 50 KVA  | INR | 4976562 | CGST :<br>447890.58<br>SGST :<br>447890.58 | 1616000.00/- | Quoted Rate<br>(1+2) :<br><br>5872343.00<br>CMC (3):<br><br>1616000.00<br>Total (1+2+3) :<br><br>7488343.16 |
| Three Phase 65 KVA  | INR | 6544531 | CGST :<br>589007.79<br>SGST :<br>589007.79 | 1984000.00/- | Quoted Rate<br>(1+2) :<br><br>7722546.58<br>CMC(3) :<br><br>1984000.00<br>Total (1+2+3):<br><br>9706546.58  |
| Three Phase 100 KVA | INR | 9953125 | CGST :<br>895781.25<br>SGST :<br>895781.25 | 3192000.00/- | Quoted Rate<br>(1+2):<br><br>11744687.50  |

|  |  |  |  |  |             |
|--|--|--|--|--|-------------|
|  |  |  |  |  | CMC(3) :    |
|  |  |  |  |  | 3192000.00  |
|  |  |  |  |  | Total :     |
|  |  |  |  |  | 14936687.50 |

### **Terms and Conditions:**

1. **Delivery Site :** Rate are FOR Drug warehouse of JKMSCL/any Govt. Institution of J&K State, wherever installation is required.
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3. **Taxes:** As mentioned above.
4. **Warranty:** Five Years from the date of installation.
5. **Performance Security** You are further required to deposit the performance security equivalent to 5% of the total invoice value in the shape of Bank Guarantee in favour of FA/CAO, JKMSCL within seven days from the date of issuance of Purchase Order(s) from time to time.
6. **Supplies** Within 60 days from the date of issuance of supply order.
7. **Penalty** In case of extension in the delivery period with liquidated damages, recovery of liquidated damages shall be made at such rates, as given below, of value of stores which the bidder has failed to supply :-
  - (a) Delay up to one- fourth period of the prescribed delivery period – **2.5%**
  - (b) Delay exceeding one fourth but not exceeding half of the prescribed delivery period – **5%**
  - (c) Delay exceeding half but not exceeding three- fourth of the prescribed delivery period – **7.5%**
  - (d) Delay exceeding three- fourth of the prescribed period – **10%**
  - (e) Fraction of a day in reckoning the period of delay in supplies shall be eliminated if it is less than half a day. The maximum amount of agreed liquidated damage shall be 10%.
8. **Installation :** Installation / commissioning and necessary training for upkeep of the equipment shall be provided free of cost.
9. **Availability of Spares:** Firm shall certify that the parts of the equipment shall remain available atleast for a period **of five years** after the year of expiry of warranty period of five years.
10. You have to certify that the rates mentioned above as quoted by your firm are the lowest rates applicable to all Govt./private Institution/PSU etc. Variation found if any, during the rate contract period by the Corporation/Intending department or any other agency shall be the sole responsibility of the Contractor/Supplier/manufacturer/importer.
11. The supplier/manufacturer/importer shall ensure to supply the item(s) strictly as per specifications/sample(s) approved. Variations found, if any, in instant case/or in later stages by the Corporation/Intending department/any other agency which may lead to sub standard or Not of standard/approved quality, shall be the sole responsibility of the supplier/ manufacturer/ importer/contractor.
12. JKMSCL is at liberty to get the feedback from the end-user department regarding the functioning of the machinery & equipment supplied by your agency. Adverse report, if any, may lead to strict action against you under rules/terms & conditions of the NIT/guidelines issued by the Govt. from time to time.
13. **Comprehensive Maintenance Agreement :** You are further required to execute Comprehensive maintenance agreement before the release of payment.
14. **Orders shall only be placed on the basis of actual requirement and funds are available under the relevant Head of Accounts.**

**All the terms and conditions of the NIT, terms mentioned in the LOI shall be part of the approved Rate Contract.**

  
**(Inder Jeet), KAS**  
 Managing Director / TI

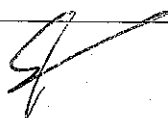
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14. General Manager –K(P&S, IT), J&K Medical Supplies Corporation Limited.
15. Office file.

# **HIGH CAPACITY ELECTRONIC OSCILLATOR SYSTEM FROM 5 KVA TO 100 KVA**

| Feature  | Required Specification   | Remarks/Compliance                                      |
|--|--|---|
| Type   | Single Phase In-Single Phase Out / 3 Phase In- 3 Phase out               |   |
| Technology   | DSP Based PWM technology using IGBT                                      |   |
| Series   | Pure Sine Wave   |   |
| Rating   | 5/7.5/10/15/20/25/30/40/50/65/100 KVA Single phase / 3 Phase             |   |
| Input  | Single Phase for 5KVA & 10 KVA and 3 Phase for capacities from 10-100KVA | 10 KVA Oscillators both single phase as well as 3 phase |
| Voltage Range (Input)  | 150 to 280 Volts for Single Phase and 280 to 465 Volts AC for 3 Phase    |   |
| Frequency Range (Input)  | 43 to 57 Hz  |   |
| Power Factor   | 0.8  |   |
| Output Voltage   | 230V $\pm$ 1 % (Single Phase), 415 V $\pm$ 1% (3 Phase)                  |   |
| Output Frequency Regulation  | 50 Hz $\pm$ 0.05 Hz  |   |
| Peak Efficiency  | > 92%  |   |
| Output wave form   | Pure Sine Wave   |   |
| Total Harmonic Distortion (THD)  | < 3%   |   |
| Crest Factor   | >4:1   |   |
| Transient Response   | Recovery to + - 5% within 1.5 cycles                                     |   |
| Charging Current Selectable  | C-10 ( 10% of the rated current)   |   |
| Charging cycle   | Intelligent with boost charging and advanced management.                 |   |
| Overload   | 110% for 8 Min, 150% for 15 Sec, 200% for 4 Sec, 300% for 2 Sec.         |   |
| Battery Type   | 2 Volt Cells / 100-1800 AH (SMF VRLA)                                    |   |
| Battery Bank Voltage   | 120/360 Volts (Single / 3 Phase)   |   |
| Communication Port   | RS 232   |   |
| Operating System   | Windows 2003 Server or Higher Compatible                                 |   |
| Operating Temperature  | -15 to +50 degree Celsius  |   |
| Acoustic Noise at 1 Meter  | < 60 db  |   |
| Humidity   | Max 95% Non Condensing   |   |
| Indication & Alarm   | Audio & Visual   |   |
| Protection Class   | IP 21  |   |
| Power Quality Audit Through Software   | Required   |   |
| Multi User License   | Required   |   |
| Priority Shutdown High or Low  | Required   |   |
| Digital & Graphical Parameter Representation   | Required   |   |
| SMS & e-mail Alerts  | Required   |   |
| User Selectable Parameter  | Required   |   |
| <b>Built in Galvanic Isolation Transformer</b>   | <b>Required</b>  |   |
| Suitable for Heavy Duty Equipments   | Required   |   |
| Auto Self Test   | Required   |   |
| Cold Start   | Required   |   |
| Scalable Runtime   | Required   |   |
| Fuzzy Logic Control  | Required   |   |
| Data availability when the Oscillator is OFF   | Required   |   |
| Availability of Manual Maintenance Bypass and the same must be protected by a door with a lock to isolate the internal parts of Oscillator from any energy source. | Required   |   |





|   |           |  |
|---|-----------|--|
| Operation with Gen Set(s) with the provision to guarantee synchronism between the input and output frequency for wider frequency range. | Required  |  |
| Protection on Backup Path   | Required  |  |
| MCB Protection on AC & DC Path  | Required  |  |
| Water Topping Alarm   | Required  |  |
| Microprocessor Based Ventilation  | Required  |  |
| Microprocessor Based Charging compensation with altitude without de-rating up to 1500m  | Required  |  |
| Solar compatible with Solar priority with static changeover time <2ms.  | Required. |  |

The oscillator shall manage the following measurements and show the relevant values on the display panel and also communicate the same through e-mail and SMS to designated nodal officers/personnel.

| INPUT   | OUTPUT  | BATTERIES  | MISCELLANEOUS   | HISTORICAL DATA  |
|---|---|--|---|--|
| <b>Current</b> <ul style="list-style-type: none"> <li>Root mean-square value</li> <li>Peak Value</li> <li>Peak Factor</li> </ul> <b>Voltage</b> <ul style="list-style-type: none"> <li>Root mean-square value</li> </ul> <b>Power</b> <ul style="list-style-type: none"> <li>Appar ent</li> <li>Active Power factor</li> <li>Frequency</li> </ul> | <b>Current</b> <ul style="list-style-type: none"> <li>Root mean-square value</li> <li>Peak Value</li> <li>Peak Factor</li> </ul> <b>Voltage</b> <ul style="list-style-type: none"> <li>Root mean-square value</li> </ul> <b>Power</b> <ul style="list-style-type: none"> <li>Appar ent</li> <li>Active Power factor</li> <li>Frequency</li> </ul> | <ul style="list-style-type: none"> <li>Charging current.</li> <li>Discharging current</li> <li>Battery operation time</li> <li>Residue capacity</li> <li>Battery voltage</li> <li>Date and time of last battery calibration</li> </ul> | <ul style="list-style-type: none"> <li>Internal temperature of Oscillator/ battery bank</li> <li>Ambient temperature</li> </ul> | <ul style="list-style-type: none"> <li>Number of Battery commutations</li> <li>Number of total discharge</li> </ul> <p>Overall time of :</p> <ul style="list-style-type: none"> <li>Battery operation</li> <li>Mains operation.</li> </ul> |

#### SPECIFICATIONS OF BATTERY BANK

| Features   | Specifications   | Remarks |
|--|--|---------|
| BATTERY TYPE   | SMF VRLA   |         |
| CAPACITY   | 120/360 V, 100-1800 AH ( 2 Volt Cells of 100-1800 AH SMF VRLA )  |         |
| INTERNAL RESISTANCE (FULLY CHARGED @ 25 DEG C)   | 3.5 m Ohm  |         |
| CAPACITY AFFECTED BY TEMPERATURE (10) HRS <ul style="list-style-type: none"> <li>40 DEGREE</li> <li>25 DEGREE</li> <li>0 DEGREE</li> </ul> | <ul style="list-style-type: none"> <li>102%</li> <li>100%</li> <li>85%</li> </ul>  |         |
| SELF DISCHARGE 25 DEG <ul style="list-style-type: none"> <li>3 MONTHS</li> <li>6 MONTHS</li> <li>12 MONTHS</li> </ul>                      | <ul style="list-style-type: none"> <li>REMAINING CAPACITY 91%</li> <li>REMAINING CAPACITY 82%</li> <li>REMAINING CAPACITY 65%</li> </ul> |         |

|                               |                          |                                  |
|-------------------------------|--------------------------|----------------------------------|
| NOMINAL OPERATING TEMPERATURE | 25 DEGREE + - 3 DEGREE C |                                  |
| OPERATING TEMPERATURE RANGE   | -15 DEG TO +60 DEG C     |                                  |
| FLOAT OPERATING VOLTAGE       | 2.23-2.25 VPC            |                                  |
| BOOST CHARGE                  | 2.30-2.32 VPC            |                                  |
| MAXIMUM CHARGING CURRENT      | 0.2 C                    | C IS THE RATED CAPACITY@10 HOURS |
| TERMINAL MATERIAL             | LEAD                     |                                  |
| MAXIMUM DISCHARGING CURRENT   | 2500 A (5 Min)           |                                  |
| CONTAINER TYPE                | FLAME RETARDANT ABS      |                                  |
| RACK FOR HOUSING BATTERY BANK | REQUIRED                 |                                  |

**Terms and Conditions:-**

1. The Minimum power back-up of the Oscillator 6 hours on full load. The **Oscillator and Battery bank both** should be warranted for **five years** from the date of installation and commissioning.
2. The bidder would have to undertake to **upkeep the complete oscillator system (oscillator and Battery bank)** for a minimum period of five years from the date of installation/commissioning by providing spares and service.
3. The scope of supply shall include supply and commissioning of complete Oscillator system at consignee's end across J&K.

**Documents required to be attached with the Technical Bid**

**Document Required**

ISO 9001 : 2000 Certificate

ISO 14001 : 2004 Certificate

In House R&D recognized by Govt. of India, Ministry of Science & Technology

Inductive Load Oscillator Output Graph

THD Graph

Output wave form graph

PQM Captured Waveform Graph

CE/UL Certificate

Authorization from OEM specific to this tender enquiry in original

**Eligibility of OEMs**

ISO 9001 Certified

ISO 14001 Certified

CE/UL Certified

**Company owned Service Centre at Jammu/Srinagar**

**Super Brand Certification**



JKMSCL

**JAMMU AND KASHMIR MEDICAL SUPPLIES CORPORATION LTD.**

(Public Sector Undertaking of the Government of Jammu and Kashmir)

Corporate Head Office: GMC Complex, Bakshi Nagar, Jammu - 180001. Ph. 0191-2580842

Corporate Office: 121-Green Avenue, Hyderpora (J&amp;K)-190014: Telefax: 0194-2432008

email: [enquiry@jkmscl@gmail.com](mailto:enquiry@jkmscl@gmail.com), [jkmsclepm@gmail.com](mailto:jkmsclepm@gmail.com); website: [www.jkmscl.nic.in](http://www.jkmscl.nic.in)**M/S S.R. Technomed,**

Plot No. 22

Bakshi Nagar, Jammu

No: JKMSCL/MD/2018/ ~~752~~-65Dated: ~~26~~-05-2018**Sub:** Finalization of Annual Rate Contract for the procurement of "Machinery & Equipments" - **issuance of Rate Contract thereof.**

Ref No. 1. NIT/JKMSCL/Mach/2017/280 dated 18.11.2017

2. Minutes of State Level Purchase Committee vide No. JKMSCL/MD/PS/2018/386-407 dated 26.04.2018.

Dear Sir,

The Jammu and Kashmir Medical Supplies Corporation J&K has approved the following item/item(s) under group "Machinery & Equipments" in your favour, as per the rates mentioned against each. The rate contract shall remain valid for a period of two years (24 Months) from the date of issuance of the Contract which may be extended for a period of 90 days or till such time the new rate contract is finalized, whichever is earlier, with mutual consent of JKMSCL and successful bidder:

| Name of the item  | Currency | Basic Rates without Tax with conversion (1) | Taxes (2)  | CMC Rates for 05 yrs (in Rs.) (3)   | Total Amount (in Rs.) With taxes and CMC (4) = (1+2)+3   |
|---|----------|---|--|---|--|
| <b>Shadowless lamp ceiling type minor (Single Dome)</b><br><b>1. USE</b><br>1.1 Clinical purpose Luminescence shadow less lamp adopts light sources different positions for focus to eliminate shadows of different parts of medical workers.<br>1.2 Used by clinical department/ward : Operation theatre<br><b>TECHNICAL</b><br><b>2 TECHNICAL CHARACTERISTICS</b><br>2.1 Technical characteristics (specific to this type of device) <ul style="list-style-type: none"> <li>➤ Single dome.</li> <li>➤ minor dome.</li> <li>➤ Intensity Control :continuous (1,00,000 Lux).</li> <li>➤ Height Adjustment :600mm.</li> <li>➤ Action Radius :1850mm.</li> <li>➤ Possible Movements :Radial, Angular &amp; Axial.</li> <li>➤ Colour Temperature :4500 and above.</li> <li>➤ LED technology: minimum 40,000 hours lamp life.</li> <li>➤ Intensity, brightness, contrast and power switch to be made available on <b>handle/wall-check/lamp head</b>.</li> <li>➤ Focal distance(d1+d2)=0.8 to 1.2 m.</li> <li>➤ Temperature rise on the keep of surgeries to be less than 10°.</li> <li>➤ CR± approx. 95 or more.</li> <li>➤ 360° rotation for single arm</li> </ul> 2.2 User's interface Manual<br>2.3 Software and/or standard of communication | INR      | 149900.00                                   | CGST :<br>8994.00<br>SGST :<br>8994.00<br><br>Warranty :<br>Five years | 1 <sup>st</sup> yr : 1000<br>2 <sup>nd</sup> yr 1100<br>3 <sup>rd</sup> yr : 1200<br>4 <sup>th</sup> yr : 1400<br>5 <sup>th</sup> yr : 1600<br>Total : 6300 | Quoted Rate (1+2) :<br>167888.00<br><br>CMC (3): 6300<br><br>Total (1+2+3)<br>:174188.00<br><br>(Rupees one lac seventy four thousand one hundred eighty eight only) |

(where ever required) : NA.

### 3. PHYSICAL CHARACTERISTICS

3.1 Dimensions (metric) : NA

3.2 Weight (lbs, kg) : NA

3.3 Configuration : NA

3.4 Noise (in dBA) : NA

3.5 Heat dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism

3.6 Mobility, portability : Portable.

### 4. ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2 ....)

4.1 Power Requirements Recharging unit: Input voltage- 220V-240V AC, 50Hz

4.2 Battery operated : NA

4.3 Tolerance (to variations, shutdowns) : NA

4.4 Protection Should have over-charging cut-off with visual symbol.

4.5 Power consumption : NA.

### 5. ACCESSORIES, SPARE PARTS, CONSUMABLES

5.1 Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system) : NA

### BIDDING / PROCUREMENT TERMS / DONATION REQUIREMENTS

### 6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS

6.1 Atmosphere /Ambiance (air conditioning, humidity, dust ...)

- Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.
- Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.

6.2 User's care, Cleaning, Disinfection & Sterility issues

- Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.
- Sterilization not required.

### 7. STANDARDS AND SAFETY

7.1 Certificates (premarket, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international

- Should be USFDA/European CE and BIS/ ISO 13485 approved product.
- Electrical safety conforms to the standards for electrical safety IEC 60601-1 General requirements (or equivalent BIS Standard)
- Shall meet internationally recognised for Electromagnetic Compatibility (EMC) and Electromagnetic Interference (EMI) for electromedical equipment : IEC 60601-1-2
- Certified to be compliant with IEC 60601-2-4 for usability.

7.2 Local and/or international : Manufacturer / supplier should have ISO certificate for quality

|   |     |           |  |  |   |
|---|-----|-----------|--|--|---|
| standard.   |     |           |  |  |   |
| <b>8. TRAINING AND INSTALLATION</b><br>8.1 Pre-installation requirements: nature, values, quality, tolerance <ul style="list-style-type: none"> <li>➤ Availability of 5 amp socket;</li> <li>➤ Safety and operation check before handover;</li> </ul> 8.2 Requirements for signoff <ul style="list-style-type: none"> <li>➤ Certificate of calibration and inspection from the manufacturer</li> </ul> 8.3 Training of staff (medical, paramedical, technicians) <ul style="list-style-type: none"> <li>➤ Training of users on operation and basic maintenance;</li> <li>➤ Advanced maintenance tasks required shall be documented</li> </ul>   |     |           |  |  |   |
| <b>Shadowless lamp Ceiling type major</b><br><b>1. USE</b><br>1.1 Clinical purpose Luminescence shadow less lamp adopts light sources different positions for focus to eliminate shadows of different parts of medical workers.<br>1.2 Used by clinical department/ward : Operation theatre<br><b>2. TECHNICAL CHARACTERISTICS</b><br>2.1 Technical characteristics (specific to this type of device) <ul style="list-style-type: none"> <li>➤ <b>Double dome.</b></li> <li>➤ Intensity Control in 9 steps for individual domes.</li> <li>➤ Height Adjustment :600mm.</li> <li>➤ Action Radius :1850mm.</li> <li>➤ Possible Movements :Radial, Angular &amp; Axial.</li> <li>➤ Colour Temperature :4500K and above.</li> <li>➤ LED technology: minimum 40,000 hours lamp life.</li> <li>➤ Intensity, brightness, contrast and power switch to be made available on <b>handle/wall-check/lamp head.</b></li> <li>➤ Focal distance(<math>d1+d2</math>)=0.8 to 1.2 m.</li> <li>➤ Temperature rise on the keep of surgeries to be less than 10°.</li> <li>➤ CR± approx. 95 or more.</li> <li>➤ 360° rotation for both arms</li> </ul> 2.2 User's interface Manual<br>2.3 Software and/or standard of communication (where ever required) : NA.<br><b>3. PHYSICAL CHARACTERISTICS</b><br>3.1 Dimensions (metric) : NA<br>3.2 Weight (lbs, kg) : NA<br>3.3 Configuration : NA<br>3.4 Noise (in dBA) : NA<br>3.5 Heat dissipation Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism<br>3.6 Mobility, portability : Hand held device.<br><b>4. ENERGY SOURCE (electricity, UP S, solar, gas, water, CO 2 ....)</b><br>4.1 Power Requirements Recharging unit: Input voltage- 220V-240V AC, 50Hz<br>4.2 Battery operated : Yes<br>4.3 Tolerance (to variations, shutdowns) Voltage:±10%,Frequency:±2%<br>4.4 Protection Should have over-charging cut-off with visual symbol. | INR | 354000.00 | CGST :<br>21840.00<br>SGST :<br>21840.00 | 1 <sup>st</sup> yr : 1200<br>2 <sup>nd</sup> yr : 1500<br>3 <sup>rd</sup> yr : 1700<br>4 <sup>th</sup> yr : 1900<br>5 <sup>th</sup> yr : 2100<br><b>Total : 8400</b> | <b>Quoted Rate (1+2) :</b><br><br>397680.00<br><br>CMC (3): 8400<br><br><b>Total (1+2+3)</b><br><br><b>:406080.00</b><br><br><b>(Rupees four lacs sixty thousand eighty only)</b> |

|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
| <p>4.5 Power consumption : NA.</p> <p><b>5. ACCESSORIES, SPARE PARTS, CONSUMABLES</b></p> <p>5.1 Accessories (mandatory, standard, optional);<br/>Spare parts (main ones); Consumables / reagents (open, closed system) : NA</p> <p><b>DDING / PROCUREMENT TERMS / DONATION REQUIREMENTS</b></p> <p><b>6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS</b></p> <p>6.1 Atmosphere /Ambiance (air conditioning, humidity, dust ...)</p> <ul style="list-style-type: none"> <li>➤ Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.</li> <li>➤ Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.</li> </ul> <p>6.2 User's care, Cleaning, Disinfection &amp; Sterility issues</p> <ul style="list-style-type: none"> <li>➤ Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.</li> <li>➤ Sterilization not required.</li> </ul> <p><b>7. STANDARDS AND SAFETY</b></p> <p>7.1 Certificates (premarket, sanitary, ..); Performance and safety standards (specific to the device type);Local and/or international</p> <ul style="list-style-type: none"> <li>➤ Should be USFDA/ European CE/BIS and ISO 13485 approved product.</li> <li>➤ Electrical safety conforms to the standards for electrical safety IEC 60601-1General requirements(or equivalent BIS Standard)</li> <li>➤ Shall meet internationally recognised for Electromagnetic Compatibility(EMC)and Electromagnetic Interference(EMI) for electromedical equipment: IEC 60601-1-2.</li> <li>➤ Certified to be compliant with IEC 60601-2-4 for usability.</li> </ul> <p>7.2 Local and/or international :Manufacturer / supplier should have ISO 13485 certificate for quality standard.</p> <p><b>8. TRAINING AND INSTALLATION</b></p> <p>8.1 Pre-installation requirements: nature, values, quality, tolerance</p> <ul style="list-style-type: none"> <li>➤ Availability of 5 amp socket;</li> <li>➤ Safety and operation check before handover;</li> </ul> <p>8.2 Requirements for signoff</p> <ul style="list-style-type: none"> <li>➤ Certificate of calibration and inspection from the manufacturer</li> </ul> <p>8.3 Training of staff (medical, paramedical, technicians)</p> <ul style="list-style-type: none"> <li>➤ Training of users on operation and basic maintenance;</li> </ul> <p>Advanced maintenance tasks required shall be documented</p> |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|

**Terms and Conditions:**

1. **Delivery Site :** Rate are FOR Drug warehouse of JKMSCL/any Govt. Institution of J&K State, wherever installation is required.
2. **Validity :** The rate contract shall remain valid for a period of two years from the date of issuance of the

Contract which may be extended for a period of 90 days or till such time the new rate contract is finalized, whichever is earlier, with mutual consent of JKMSCL and successful bidder.

3. **Taxes:** As mentioned above.
4. **Warranty:** Five Years from the date of installation.
5. **Performance Security**

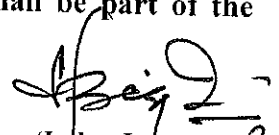
You are further required to deposit the performance security equivalent to 5% of the total invoice value in the shape of Bank Guarantee in favour of FA/CAO, JKMSCL within seven days from the date of issuance of Purchase Order(s) from time to time.
6. **Supplies**

Within 90 days from the date of issuance of supply order.
7. **Penalty**

In case of extension in the delivery period with liquidated damages, recovery of liquidated damages shall be made at such rates, as given below, of value of stores which the bidder has failed to supply :-

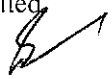
  - (a) Delay up to one- fourth period of the prescribed delivery period – **2.5%**
  - (b) Delay exceeding one fourth but not exceeding half of the prescribed delivery period – **5%**
  - (c) Delay exceeding half but not exceeding three- fourth of the prescribed delivery period – **7.5%**
  - (d) Delay exceeding three- fourth of the prescribed period – **10%**
  - (e) Fraction of a day in reckoning the period of delay in supplies shall be eliminated if it is less than half a day. The maximum amount of agreed liquidated damage shall be 10%.
8. **Installation :** Installation / commissioning and necessary training for upkeep of the equipment shall be provided free of cost.
9. **Availability of Spares:** Firm shall certify that the parts of the equipment shall remain available atleast for a period **of five years** after the year of expiry of warranty period of five years.
10. You have to certify that the rates mentioned above as quoted by your firm are the lowest rates applicable to all Govt./private Institution/PSU etc. Variation found if any, during the rate contract period by the Corporation/Intending department or any other agency shall be the sole responsibility of the Contractor/Supplier/manufacturer/importer.
11. The supplier/manufacturer/importer shall ensure to supply the item(s) strictly as per specifications/sample(s) approved. Variations found, if any, in instant case/or in later stages by the Corporation/Intending department/any other agency which may lead to sub standard or Not of standard/approved quality, shall be the sole responsibility of the supplier/ manufacturer/ importer/contractor.
12. JKMSCL is at liberty to get the feedback from the end-user department regarding the functioning of the machinery & equipment supplied by your agency. Adverse report, if any, may lead to strict action against you under rules/terms & conditions of the NIT/guidelines issued by the Govt. from time to time.
13. **Comprehensive Maintenance Agreement :** You are further required to execute Comprehensive maintenance agreement before the release of payment.
14. **Orders shall only be placed on the basis of actual requirement and funds are available under the relevant Head of Accounts.**

**All the terms and conditions of the NIT, terms mentioned in the LOI shall be part of the approved Rate Contract.**

  
(Inder Jeet), KAS  
Managing Director / TIA

Copy for information to the:

1. Principal Secretary to Govt., Health & Medical Education Deptt., J&K(Director, Board of Directors-JKMSCL).
2. Principal, Govt. Medical College, Srinagar (Kashmir) (Director, Board of Directors- JKMSCL).
3. Principal, Government Medical College, Jammu (Director, Board of Directors JKMSCL).
4. Principal, Government Dental College, Srinagar (Director, Board of Directors- JKMSCL).
5. Principal, Government Dental College, Jammu (Director, Board of Directors- JKMSCL).
6. Director General, Indian System of Medicines, J&K (Director, Board of Directors- JKMSCL).
7. Director, Family Welfare, MCH & Immunization, J&K (Director, Board of Directors- JKMSCL).
8. Director, Health Services, Jammu (Director, Board of Directors- JKMSCL).
9. Director, Health Services, Kashmir (Director, Board of Directors- JKMSCL).

10. Mission Director, NHM, J&K (Director, Board of Directors- JKMSCL).
  11. Controller, Drug & Food Control Organization, J&K (Director, Board of Directors JKMSCL).
  12. F.A/Chief Accounts Officer, J&K Medical Supplies Corporation Limited.
  13. General Manager -J (Adm), J&K Medical Supplies Corporation Limited.
  14. General Manager -K(P&S, IT), J&K Medical Supplies Corporation Limited.
  15. Office file.
- 





# JAMMU AND KASHMIR MEDICAL SUPPLIES CORPORATION LTD.

(Public Sector Undertaking of the Government of Jammu and Kashmir)

Corporate Head Office: GMC Complex, Bakshi Nagar, Jammu -180001, Ph. 0191-2580842

Corporate Office: 121-Green Avenue, Hyderpora (J&K)-190014: Telefax: 0194-2432008

email: enquiry@jkmscl@gmail.com, jkmsclepm@gmail.com; website: www.jkmscl.nic.in

M/s Healthware Electronics,  
1/22, Near Geeta Mandir,  
Bakshi Nagar, Jammu.  
e-mail- [jammuoffice@yahoo.co.in](mailto:jammuoffice@yahoo.co.in)

No: JKMSCL/RC/2018/ 332-46

Dated: 21/04-2018

**Sub:** Finalization of Annual Rate Contract for the procurement of "Machinery & Equipments" - **issuance of Rate Contract thereof.**

Ref No. 1. NIT/JKMSCL/Mach/2017/283 dated 21.12.2017

2. Minutes of State Level Purchase Committee vide No. JKMSCL/MD/PS/2018/2636-50 dated 19.03.2018.

Dear Sir,

The Jammu and Kashmir Medical Supplies Corporation J&K has approved the following item/item(s) under group "Machinery & Equipments" in your favour, as per the rates mentioned against each. The rate contract shall remain valid for a period of two year (24 Months) from the date of issuance of the Contract which may be extended for a period of 90 days or till such time the new rate contract is finalized, whichever is earlier, with mutual consent of JKMSCL and successful bidder:

| Name of the item   | Currency | Basic Rates without Tax with conversion (1) | Taxes (2)   | CMC Rates for 05 yrs (in Rs.) (3)   | Total Amount (in Rs.) With taxes and CMC (4) = (1+2)+3                    |
|--|----------|---|-------------|---|---|
| <b>BINOCULAR MICROSCOPE</b><br><br><b>MODEL : BLISCO SM-20</b><br><br><b>Applications</b><br>A system complete with illumination system is required. For view of individual cells, even living ones with high magnification microscope using 2 eye lenses to reduce the eyestrain.<br><br><b>Body</b><br>-Body single mold sturdy stable base stand, inclined binocular body 30°, 360° rotatable head with focus adjustment controls.<br>-A durable textured acid resistant finish.<br>-All optical parts including objectives, eye pieces and prisms should have anti-reflective coating which also gives anti-fungal property.<br>-All metallic parts should be corrosion proof, acid proof and stain proof.<br><br><b>Eye piece</b><br>-Highest quality 10 x 20 mm wide angle anti fungus field eyepiece. One with pointer Dioptre adjustment must be present on both eye pieces. (The image of the object as seen through the binocular eyepiece should have defined centrally in at least 2/3m field of | INR      | 116000                                      | GST : 20880 | 1 <sup>st</sup> yr :8213.00<br>2 <sup>nd</sup> yr: 9582.00<br>3 <sup>rd</sup> yr:10952.00<br>4 <sup>th</sup> yr:12320.00<br>5 <sup>th</sup> yr:13688.00<br>Total:54755.00 | Quoted Rate (1+2) : 136880<br><br>CMC (3): 54755<br>Total (1+2+3) :191635 |

view).

- Achromatic, wide field, 10 x with inbuilt pointer.
- The eye piece should be aplanatic and have a minimum field number of 18. Diopter adjustment must be present on one/both eye pieces or on the eye piece tube.

### Optical system

- Optical system should be infinity corrected.
- Build-in-LED light source with white light with intensity control and LED life of more than 10,000 Hrs.

### Objective

- Par focal, antifungal coated 4 x, 10 x, 40 x and 100 x (oil immersion) with semi planner achromatic correction.
- Objective should be well centred even if their position on turret is changed.
- 10 x and 40 x objectives should have numerical apertures of 0.25 and 0.65 respectively.
- 100 x should have numerical aperture of 1.25 and should be of oil immersion.
- Unbreakable containers to be provided for storing the objectives.
- All objectives should be wide field, achromatic and par focal.

### Noise piece

- Backward tilted revolving nose piece suitable to accommodate four objectives with click stop.
- It should be provided with rubber ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment. Extra ports if any should be fitted with dust and fungal proof metallic / ebonite caps.

### Focusing

Coaxial coarse and fine focusing knob, capable of smooth, fine focusing movement sensitivity.

Minimum: 300 micron, focusing stop for slide safety.

### Stage

- Stage uniformly horizontal, mechanical stage having dimensions of length 140 mm (+/- 20 mm) with fine vernier graduations (minimum reading accuracy of 0.1mm).
- It should be designed with convenient sub-stage vertical coaxial adjustment for slide

manipulation.

-The stage should have ball bearing arrangement to allow smooth travel in transverse directions i.e. 80 mm(+/- 5mm) and front to back direction , 50mm(+/-5mm)

#### **Sub-stage condenser**

-Abbe-type condenser with numerical aperture (N.A) 1.25 focusable with rack and pinion arrangement incorporation a spherical lens and an iris diaphragm.

#### **Sub stage illuminator**

-The system should have a build in variable light source (illuminator).

-This light source should have a 20w, 6v Halogen lamps.

-The system should be provided with a step down transformer and an on-off switch and intensity control.

-The lamp should be provided with a lamp socket which has the facility for easy replacement of the bulb.

#### **Power supply and protection**

-Voltage 220v AC, 50Hz should have one on-off power switch.

-A Plano concave mirror in fork mounting should be supplied which would be attachable to the base for field use when power is not available.

-Should have over charging Cut-off with visual symbol.

#### **Battery backup**

Minimum 1 hour

#### **Operating and storage conditions**

-Capable of operating continuously in ambient temperature of 10 to 50 °C and relative humidity of 15 to 90% in ideal circumstances.

-Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50°C and relative humidity of 15 to 90%.

#### **Manual accessories**

-Working manual should be provided with each microscope.

-Immersion oil 25 ml x 2

-lens tissue paper 2 rolls or boxes .

-lens cleaning solution (100 ml)

-One anti-static cleaning brush.

-The unit shall be capable of being stored continuously in ambient temperature of 0-50 deg C and relative humidity of 15-90%.

**Digital camera**

-5 megapixel scientific grade (even at dim light) colour CCD camera along with image capture and analysis software and c-mount adapter.

Resolution at least 2448 x 1920 effective pixel (4 x 4 binning and 2 x 2 binning) and 10 bit digitalization .

-Microscope should come along with PC(i5 6200U processor, 6 GB RAM, 1 TB HDD, DVR R/W,LED 20") with UPS (minimum offline backup of 30 minutes).

**Certificate performance and safety standards (specific to the device type), Local and / or international**

-should be FDA/CE/BIS approved product.

-Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards.

-Electricity safety conforms to the standard for electrical safety IEC 60601-General requirements(or equivalent BIS standard)

-Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.

**Supplier /manufacturer**

Must be ISO certified for quality

**Service contract clauses, including prices**

List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.

**Operating manuals, service manuals, other manuals**

Should provide 2 sets (hardcopy and softcopy)

-users, technical and maintenance manuals to be supplied in English language along with machine diagrams.

-List of equipment and procedures requires for local calibration and routine maintenance.

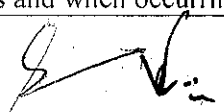
-service and operation manuals (original and copy) to be provided.

-Advanced maintenance tasks documentation.

-certificate of calibration and inspection.

**Comprehensive Maintenance**

Comprehensive Maintenance of the equipment supplied, installed, commissioned for 60 months after 05 years warranty/Defects Liability period. This will include yearly calibration start- up / commissioning routine servicing, regular maintenance, preventive maintenance of equipment and components and break down repairs as and when occurring,



|   |  |  |  |  |  |
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| <p>ensuring that system does not remain out of service for a period more than 24 hours in case of major breakdowns and 6-8 hours in case of minor breakdowns due to any unforeseen break down. The institution will provide water / Electricity power, etc.for maintenance work. The successful tendered shall keep the essential spares at sight during the contract period to avoid the delay in attending faults / maintenance.</p> <p><b>Operation and maintenance training</b><br/>The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support service till customer satisfaction.</p> <p><b>Payment</b><br/>Payment only after installation, validation and performance demonstration.</p> |  |  |  |  |  |
|---|--|--|--|--|--|

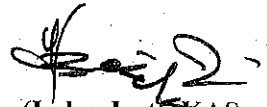
**Terms and Conditions:**

1. **Delivery Site :** Rate are FOR Drug warehouse of JKMSCL/any Govt. Institution of J&K State, wherever installation is required.
2. **Validity :** The rate contract shall remain valid for a period of two years from the date of issuance of the Contract which may be extended for a period of 90 days or till such time the new rate contract is finalized, whichever is earlier, with mutual consent of JKMSCL and successful bidder.
3. **Taxes:** As mentioned above.
4. **Warranty:** Five Years from the date of installation.
5. **Performance Security** You are further required to deposit the performance security equivalent to 5% of the total invoice value in the shape of Bank Guarantee in favour of FA/CAO, JKMSCL within seven days from the date of issuance of Purchase Order(s) from time to time.
6. **Supplies** Within 60 days from the date of issuance of supply order.
7. **Penalty** In case of extension in the delivery period with liquidated damages, recovery of liquidated damages shall be made at such rates, as given below, of value of stores which the bidder has failed to supply :-
  - (a) Delay up to one- fourth period of the prescribed delivery period – **2.5%**
  - (b) Delay exceeding one fourth but not exceeding half of the prescribed delivery period – **5%**
  - (c) Delay exceeding half but not exceeding three- fourth of the prescribed delivery period – **7.5%**
  - (d) Delay exceeding three- fourth of the prescribed period -**10%**
  - (e) Fraction of a day in reckoning the period of delay in supplies shall be eliminated if it is less than half a day. The maximum amount of agreed liquidated damage shall be 10%.
8. **Installation :** Installation / commissioning and necessary training for upkeep of the equipment shall be provided free of cost.
9. **Availability of Spares:** Firm shall certify that the parts of the equipment shall remain available atleast for a period **of five years** after the year of expiry of warranty period of five years.
10. You have to certify that the rates mentioned above as quoted by your firm are the lowest rates applicable to all Govt./private Institution/PSU etc. Variation found if any, during the rate contract period by the Corporation/Intending department or any other agency shall be the sole responsibility of the Contractor/Supplier/manufacturer/importer.



11. The supplier/manufacturer/importer shall ensure to supply the item(s) strictly as per specifications/sample(s) approved. Variations found, if any, in instant case/or in later stages by the Corporation/Intending department/any other agency which may lead to sub standard or Not of standard/approved quality, shall be the sole responsibility of the supplier/ manufacturer/ importer/contractor.
12. JKMSCL is at liberty to get the feedback from the end-user department regarding the functioning of the machinery & equipment supplied by your agency. Adverse report, if any, may lead to strict action against you under rules/terms & conditions of the NIT/guidelines issued by the Govt. from time to time.
13. **Comprehensive Maintenance Agreement** : You are further required to execute Comprehensive maintenance agreement before the release of payment.
14. **Orders shall only be placed on the basis of actual requirement and funds are available under the relevant Head of Accounts.**

**All the terms and conditions of the NIT, terms mentioned in the LOI shall be part of the approved Rate Contract.**

  
(Inder Jeet), KAS  
Managing Director / TIA

Copy for information to the:

1. Principal Secretary to Govt., Health & Medical Education Deptt., J&K(Director, Board of Directors-JKMSCL).
2. Principal, Govt. Medical College, Srinagar (Kashmir) (Director, Board of Directors- JKMSCL).
3. Principal, Government Medical College, Jammu (Director, Board of Directors JKMSCL).
4. Principal, Government Dental College, Srinagar (Director, Board of Directors- JKMSCL).
5. Principal, Government Dental College, Jammu (Director, Board of Directors- JKMSCL).
6. Director General, Indian System of Medicines, J&K (Director, Board of Directors- JKMSCL).
7. Director, Family Welfare, MCH & Immunization, J&K (Director, Board of Directors- JKMSCL).
8. Director, Health Services, Jammu (Director, Board of Directors- JKMSCL).
9. Director, Health Services, Kashmir (Director, Board of Directors- JKMSCL).
10. Mission Director, NHM, J&K (Director, Board of Directors- JKMSCL).
11. Controller, Drug & Food Control Organization, J&K (Director, Board of Directors JKMSCL).
12. F.A/Chief Accounts Officer, J&K Medical Supplies Corporation Limited.
13. General Manager –J (Adm), J&K Medical Supplies Corporation Limited.
14. General Manager –K(P&S, IT), J&K Medical Supplies Corporation Limited.
15. Office file.



# JAMMU AND KASHMIR MEDICAL SUPPLIES CORPORATION LTD.

(Public Sector Undertaking of the Government of Jammu and Kashmir)

Corporate Head Office: GMC Complex, Bakshi Nagar, Jammu -180001, Ph. 0191-2580842

Corporate Office: 121-Green Avenue, Hyderpora (J&K)-190014: Telefax: 0194-2432008

email: [enquiryjkmssl@gmail.com](mailto:enquiryjkmssl@gmail.com), [jkmsslepm@gmail.com](mailto:jkmsslepm@gmail.com); website: [www.jkmssl.nic.in](http://www.jkmssl.nic.in)

M/S Esteem Industries Inc.

Jharmajri Baddi

e.mail : [esteem.lab@gmail.com](mailto:esteem.lab@gmail.com)

No: JKMSCL/RC/2018/ 302-16

Dated: 21-03-2018

**Sub:** Finalization of Annual Rate Contract for the procurement of "Machinery & Equipments" - **issuance of Rate Contract thereof.**

Ref No. 1. NIT/JKMSCL/Mach/2017/283 dated 21.12.2017


2. Minutes of State Level Purchase Committee vide No. JKMSCL/MD/PS/2018/2636-50 dated 19.03.2018.

Dear Sir,

The Jammu and Kashmir Medical Supplies Corporation J&K has approved the following item/item(s) under group "Machinery & Equipments" in your favour, as per the rates mentioned against each. The rate contract shall remain valid for a period of two year (24 Months) from the date of issuance of the Contract which may be extended for a period of 90 days or till such time the new rate contract is finalized, whichever is earlier, with mutual consent of JKMSCL and successful bidder:

| Name of the item  | Currency | Basic Rates without Tax with conversion (1) | Taxes (2)   | CMC Rates for 05 yrs (in Rs.) (3)  | Total Amount (in Rs.) With taxes and CMC (4) = (1+2)+3                           |
|---|----------|---|-------------|--|--|
| <b>WATERBATH</b><br><b>Model : ESTW-410, Brand : ESTEEM</b><br><br>1. Should have a double walled construction.<br>2. The inner chamber and top lid should be made of stainless steel.<br>3. The space between the two walls should be packed with thick glass wool.<br>4. Should provide with a microprocessor based variable digital temperature controller with digital display.<br>5. Working temperature should be from ambient to 80°C having an accuracy of +/- 1°C<br>6. Should have an approximate inner chamber dimension of 450mm x 300mm x 175mm. | INR      | 18500                                       | GST : 3330  | 1 <sup>st</sup> yr: 277.50<br>2 <sup>nd</sup> yr : 277.50<br>3 <sup>rd</sup> yr : 277.50<br>4 <sup>th</sup> yr : 277.50<br>5 <sup>th</sup> yr : 277.50<br>Total: 1387.50 | Quoted Rate (1+2) : 21830<br><br>CMC (3): 1387.50<br><br>Total (1+2+3) : 23217.5 |
| <b>Muffle Furnace</b><br><b>Model : ESTF-101 Brand :ESTEEM</b><br><br>A Muffle furnace is required for obtaining high temperature. This furnace should have following features:<br>1) Internal dimension of the furnace (Depth × width × Height) in mm : 300×200×200(minimum)<br>2) Working temperature : 1350°C or better<br>3) Heating element : Silicon carbide (sic)<br>4) Temperature accuracy : ±2°C or better<br>5) Temperature control : Through microprocessor based PID controller with minimum 30 steps  | INR      | 264000                                      | IGST: 47520 | 1 <sup>st</sup> yr:3960<br>2 <sup>nd</sup> yr:3960<br>3 <sup>rd</sup> yr:3960<br>4 <sup>th</sup> yr:3960<br>5 <sup>th</sup> yr:3960<br>Total : 19800                     | Quoted Rate (1+2) : 311520<br><br>CMC (3): 19800<br>Total (1+2+3) : 331320       |

|  |     |        |             |   |  |
|--|-----|--------|-------------|---|--|
| 6) Furnace insulation : Ceramic wool<br>7) Temperature setting and display : Digital and double display<br>8) Power source : 220 v, 50HZ single phase<br>9) Out body and inner body : Stainless steel<br>10) Accessories required<br>a. Stainless steel Tongs (15-20 inch)-02 No<br>b. Furnace gloves-02 pairs   |     |        |             |   |  |
| <b>Laminar Air Flow</b><br><br><b>Model : ESTIL-105 Brand : ESTEEM</b><br><b>Working principle</b><br><br>The LAMINAR AIRFLOW UV Chamber when switched on, the blower unit should create a suction pressure through the primary filter (or Pre-filter), which removes dust particles of above 10 micron size in the first stage. Subsequently, the filtered air passed to the HEPA filters, where the particles or substances of 0.3 micron size and above are removed. Finally the ultra-clean filtered air supplied to the working chamber as a uniform airflow to perform precision analysis activities.<br><br><b>Cabinet (Material of construction)</b><br>The system should have<br><input type="checkbox"/> Laminar Air Flow Cabinet should have fully enclosed bench designed.<br><input type="checkbox"/> The Laminar flow bench should have Stainless Steel SS 304 table with MS coated tabular frame and body<br>Laminated Unit should also have stand by control system with lock and key<br><br><b>Unit</b><br>The unit should have<br><input type="checkbox"/> Should have LCD display to show measured parameters like stage velocity, total using time, UV/FL lamp on/off etc<br><input type="checkbox"/> Unit should have Differential pressure indicator.<br><br><b>Cleanliness level</b><br>The system should have<br><input type="checkbox"/> CLASS 100 (ISO 5 for particle sizes $0.5 \mu < 3530$ particles/M <sup>3</sup> of air at both at Rest & Operation Condition as per ISO 14644 -1<br><br><b>Working area</b><br>Minimum 4 ft (w) x 2 ft (h) x 2 ft<br><b>Working Table</b><br>- It should have IS 304 Grade Stainless Steel with finish 4 polish surface Fro<br>- 5 mm thick clear Acrylic Sheet - Vertical sliding<br><b>Floor standing Base stand for cabinet</b><br>High levelling feet or locking casters or motorized height adjustment.<br><b>Direction of flow</b> | INR | 190000 | IGST: 34200 | 1 <sup>st</sup> yr: 2850<br>2 <sup>nd</sup> yr: 2850<br>3 <sup>rd</sup> yr: 28050<br>4 <sup>th</sup> yr: 2850<br>5 <sup>th</sup> yr: 2850<br><b>Total : 14250</b> | Quoted Rate (1+2) : 224200<br><br>CMC (3): 14250<br><br>Total (1+2+3) : 238450 |

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|---|--|--|--|--|--|
| <p>Vertical airflow</p> <p><b>Airflow Speed</b><br/>Filter face velocity should have 90 Feet/Minute <math>\pm</math> 20 (0.45 m/s)</p> <p><b>Blower Assembly</b></p> <p>- it should have one set blower system, which consists of dynamically &amp; statically balance aluminium centrifugal impeller driven by 1/4 HP, single phase, 1200-1400 RMP motor, enclosed in an PU coated GI casing suitably suspended in a pair springs &amp; connected to the filter chamber through flexible canvas duct.</p> <p><b>HEPA Filters</b><br/>The filters should have<br/><b>Size:</b> 30" x 18" x 3"<br/><b>Type:</b> Separator less type, Mini-Pleats HEPA Media<br/><b>Media:</b> Ultra clean glass fiber paper<br/><b>Retention:</b> 0.3 Micron<br/><b>Efficiency:</b> 99.997%<br/><b>Initial Pressure:</b> 16 mm WG<br/><b>Grade:</b> F7 rating</p> <p><b>Pre Filters</b><br/><b>Size :</b> 600 x 300 x 65 mm<br/><b>Media :</b> Synthetic, non-woven polyester<br/><b>Casing :</b> Epoxy painted GI frame<br/><b>Retention :</b> 10 Micron &amp; above<br/><b>Efficiency :</b> 90%<br/><b>Initial Pressure:</b> 6 mm WG<br/><b>Grade :</b> F7 rating</p> <p><b>Particle Retention</b><br/>0.3 Micron</p> <p><b>Noise level</b><br/>&lt;60 dBA<math>\pm</math>5</p> <p><b>Power Supply</b><br/>Power supply should have 220-230 V, 50 Hz. And all components UL listed and CE marked</p> <p><b>Illumination</b><br/>Externally mounted illuminating lamp with separate switch to illuminate the work area.</p> <p><b>Light</b></p> <p>- High intensity, low wattage &gt;800 lux<br/>- It should be 15 Watts, 1 1/2 Feet length,-1 No. Each</p> <p><b>UV lamp</b></p> <p>Pre- mounted UV lamp (30 W) with separate switch with UV light hours run indicator.</p> <p><b>Other accessories</b><br/>-Two gas outlet in the working area, one on each</p> |  |  |  |  |  |
|---|--|--|--|--|--|

side wall.

- Levelling Screws and Castor Wheels
- DOP test port
- Easily changeable pre-filters
- Fitted with UV Germicidal lamp for sterilization.
- Pre-installed pressure gauge for Measurement of HEPA filters Choking system.
- Ensure noiseless operation and anti-vibration construction provides efficient working environment.
- Audible or highly visual alarm for filter replacement warning

**Electrical sockets or pass through ports**

- Side mounted switches for minimum three (15/5 amp) electrical sockets for ancillary equipment operation or
- Convenient rear-wall pass through ports for safe routing of instrument cords, cables and leads for 15/5 amps multiple socket with switches on the wall.

**Standard compliance**

- Performance specifications and construction must meet or exceed OSHA, ANSI and relevant international standards to assure operator safely.

**Certificate required for sign off**

- Test Certificate for Mini-Pleat HEPA Filters
- Calibration Certificate for Pressure Gauge
- Calibration Certificate for Air Velocity Anemometer,
- Warranty certificate for 24 months after satisfactory installation and working

**Spares**

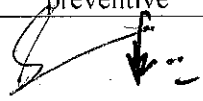
- Spare compatible UV lamp-2 NOs
- A spare HEPA filter for chamber-1 NO
- Gas burner (Bunsen burner)-2 NOs

**Operation and maintenance training component**

The supplier will have to carry out successful installation at our laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for scientific personnel operating the system and support services till customer satisfaction with the system .

**Comprehensive Maintenance**

Comprehensive Maintenance of the equipment supplied, installed, commissioned for 60 months after 05 years warranty/Defects Liability period. This will include yearly calibration start- up / commissioning routine servicing, regular maintenance, preventive maintenance of



equipment and components and break down repairs as and when occurring, ensuring that system does not remain out of service for a period more than 24 hours in case of major breakdowns and 6-8 hours in case of minor breakdowns due to any unforeseen break down. The institution will provide water / Electricity power, etc. for maintenance work. The successful tendered shall keep the essential spares at sight during the contract period to avoid the delay in attending faults / maintenance.

**Service contract clauses, including prices**

List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.

**Operating manuals, service manuals, other manuals**

- Should provide 2 sets (hardcopy and softcopy) :-
- users, technical and maintenance manuals to be supplied in English language along with machine diagrams.
  - List of equipment and procedures requires for local calibration and routine maintenance.
  - service and operation manuals (original and copy) to be provided.
  - Advanced maintenance tasks documentation.
  - certificate of calibration and inspection

**Certificates Performance and safety standards(specific to be device type) Local and / or international**

- Should be FDA/CE/BIS approved product.
- Manufacturer and supplied should have ISO 13485 certification under ISO 9001 for quality standards.
- Electrical safety conforms to be standards for electrical safety IEC 60601-General requirements (or equivalent BIS standard)
- Certified to be compliant with IEC 61010-1,IEC 61010-2-40 for safely

**Supplier/ Manufacturer**

Must be ISO certified for quality

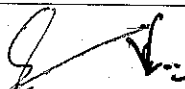
**Service support contact details (Hierarchy Wise including a toll free/ landline number)**

Contact detail of manufacturer, supplier and local service agent to be provided. Any contract (AMC/CMC/adhoc) to be declared by the manufacturer.

**Recommendations or Warnings**

Any warning signs would be adequately displayed

**Payment :** Payment only after installation ,validation and performance demonstration



|  |     |        |                |  |   |
|--|-----|--------|----------------|--|---|
| <p><b>BIO-SAFETY CABINET</b><br/><b>CLASS II TYPE B2 (TOTAL EXHAUST)</b></p> <p><b>MODEL : ESTB-103 BRAND : ESTEEM</b><br/><b>Cabinet (Material of construction)</b><br/>Cabinet should have made from Galvanized Iron 18 SWG sheet metal with polyurethane paint coated finish and bottom will be supported with MS with PU coated modular stand which can be adjustable for height with levelling legs/ or motorised.</p> <ul style="list-style-type: none"> <li>-External surfaces to be coated with antimicrobial coating to protect against surfaces contamination and inhibit bacterial growth.</li> <li>-Interior work area to be from a single piece of stainless steel with large radius corners to simplify cleaning.</li> <li>-The cabinet work area must have s no welded joints, which collect contaminants or rust.</li> </ul> <p><b>Unit</b><br/>The unit must be a bench top / console model:</p> <ul style="list-style-type: none"> <li>- Front door Made of clear 5 mm thick Toughened glass, vertical sliding, with Feather touch Motorized operation, while opening the door UV Lamp will be cut "OFF" And while closing the door UV Lamp will be "ON" Automatically.</li> <li>- Side Panels: Both the sidewalls are made from double layered outer GI &amp; inner stainless steel with return-air plenum in between.</li> <li>-Edges should perforated to avoid entry of room air into the work zone and exit of contaminated air in to the room and such contaminated air is sucked through this full height perforation at the edges of the Sidewalls.</li> <li>-A recessed central area with drain pan to contain spills and prevent liquids from entering the lower filtration unit.</li> <li>-The BSC shall be ergonomically designed for maximum user comfort and adjustability.</li> <li>-Fail-safe system to ensure that in case of exhaust failure, the cabinets main fan automatically shuts down to ensure safety to the user.</li> </ul> <p><b>Cleanliness level</b><br/>The system should have:</p> <ul style="list-style-type: none"> <li>- CLASS 100 (ISO 5 for particle sizes 0.5 <math>\mu</math> &lt; 3530 particles/M<sup>3</sup> of air at both at Rest &amp;</li> <li>-Operation Condition as per ISO 14644(ISO 5 replaces class 100</li> <li>-US-FS 209 E) Conforming to NSF/ANSI 49, USA &amp; En12469 standards.</li> </ul> <p><b>Working area</b></p> <ul style="list-style-type: none"> <li>-Minimum 4 x 2 x 2 Ft (w x d x h)</li> <li>-Interior work area to be from a single piece of IS304 grade stainless steel with large radius (joint free) corners to simplify cleaning.</li> <li>-The cabinet work area must have s no welded joints, which collect contaminants or rust.</li> </ul> | INR | 244000 | IGST:<br>43920 | 1 <sup>st</sup> yr: 3660<br>2 <sup>nd</sup> yr:3660<br>3 <sup>rd</sup> yr: 3660<br>4 <sup>th</sup> yr:3660<br>5 <sup>th</sup> yr: 3660<br>Total :<br>18300 | Quoted Rate<br>(1+2) :<br>287920<br>CMC (3):18300<br>Total (1+2+3)<br>:306220 |
|--|-----|--------|----------------|--|---|

**Work table**

It should have Removable type tabletop, made of perforated IS 304 Stainless Steel with satin finished.

**Direction of flow**

Vertical

**Air Balancing**

100% Exhaust & 0% Re-Circulation

**Particle retention:**

0.3 micron particles with typical efficiency of >99.997%  
0.3 micron particles with typical efficiency of >99.997%

**Airflow Speed**

Minimum airflow velocity of 90 ft/ minute  $\pm$  20 through the work access opening. Velocity should have 90 ft/ minute  $\pm$  20

Easy to read LCD/ other display for continuous monitoring of cabinet airflow.

**Supply Air Blower**

It should consists of dynamically & statically balanced aluminium centrifugal impeller driven by an Single phase, 1440-RPM motor, enclosed in a PU coated Suspended in a pair of springs & connected to the Filter chamber through flexible canvas duct inside the cabinet.

**Exhaust Blower**

It should have Suitable displacing capacity having a static of 60 mm WG and made of mild steel and directly driven by a single phase, 1440-RPM Motor. The exhaust motor & blower unit will be connected to the cabinet through an exhaust duct Made of rigid PVC pipe.

**Exhaust Duct**

Direct-ducting ( a leak-tight duct , a leak proof damper in the duct above the cabinet ) to an exhaust system vented to the outside of the building without recirculation. Exhaust duct made of 125 mm diameter rigid PVC pipe. Suitable protection from rain with canopy at the end of the duct.

**HEPA Filters**

The filters should have

- Type:** Separator less type, Mini-Pleats HEPA Media
- Media:** Ultra clean glass fiber paper
- Retention:** 0.3 Micron
- Efficiency:** 99.997%
- Initial Pressure:** 12 mm WG
- Grade :** H14 rating
- Real-time display panel for remaining Filter life

**Pre Filters**

**Media :** Synthetic, non-woven polyester

**Casing** : Epoxy painted GI frame

**Retention** : 10 -15 micron

**Efficiency** : 90%

**Initial Pressure**: 6 mm WG

**Grade** : F7 rating

**Noise level**

< 65 decibel on "A" scale  $\pm$  5 as per NSF 49

**Cabinet control systems**

Should have

- Pressure gauge,
- motor voltage regulator,
- audible and visual window alarm,
- main and outlet power circuit breakers,
- Power switches for exterior mounted fluorescent lights and / or ultraviolet lights, interior outlets and blower motor etc.

**Illumination and light intensity**

Must deliver uniform lighting to the work surface for greater comfort, reduced glare and improved productivity

High intensity, low wattage, >800 lux

Choke less to with stand larger fluctuations in working area.

**UV germicidal lamp**

- Germicidal UV lamp – controlled by automatic UV lamp timer (lamp hours)
- Emission of 254 nm
- Lamp should be positioned away from operator line of sight for safety and proper exposure to interior surfaces.
- UV lamp should be in working zone (40 micro watts / square cm at 254 nm or better)
- The UV lamp should automatically switch "off" when the front door is opened to avoid accidental exposure of UV rays to the users.

**Alarm**

- An audio alarm must be installed to indicate loss of exhaust flow.
- Should have audible alarm to warn the operator if the window is raised above the recommended height.

**Certification**

**Required**

- Test Certificate for Mini-Pleat HEPA Filters
- Calibration Certificate for Pressure Gauge
- Calibration Certificate for Air Velocity Anemometer,
- Warranty Certificate

**BSC standard compliance**

Meet American (NSF/ANSI) or European standard

EN 12469 (type tested) or both

**Power supply**



Power supply should have 220-240 v , 50 Hz.  
And all components UL listed and CE marked  
electric supply requirement

**Operation and maintenance training component**

The supplier will have to carry out successful Installation at our laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support service till customer satisfaction.

**Certificate performance and safety standards (specific to the device type), Local and / or international**

- should be FDA/CE/BIS approved product.
- Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards.
- Electricity safety conforms to the standard for electrical safety IEC 60601-General requirements(or equivalent BIS standard)
- Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.

**Supplier /manufacturer**

Must be ISO certified for quality

**Service support contact details (Hierarchy Wise including a toll free/landline number)**

Contact detail of manufacturer, supplier and local service agent to be provided. Any contact (AMC/CMC/adhoc) to be declared by the manufacturer

**Recommendations or warnings**

Any warning signs would be adequately displayed

**Comprehensive Maintenance**

Comprehensive Maintenance of the equipment supplied, installed, commissioned for 60 months after 05 years warranty/Defects Liability period. This will include yearly calibration start- up / commissioning routine servicing, regular maintenance, preventive maintenance of equipment and components and break down repairs as and when occurring, ensuring that system does not remain out of service for a period more than 24 hours in case of major breakdowns and 6-8 hours in case of minor breakdowns due to any unforeseen break down. The institution will provide water / Electricity power, etc. for maintenance work. The successful tendered shall keep the essential spares at sight during the contract period to avoid the delay in attending faults / maintenance.

**Service contract clauses, including prices**



|   |     |           |                |   |  |
|---|-----|-----------|----------------|---|--|
| <p>List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.</p> <p><b>Operating manuals, service manuals, other manuals</b></p> <p>Should provide 2 sets (hardcopy and softcopy) :-</p> <ul style="list-style-type: none"> <li>-users, technical and maintenance manuals to be supplied in English language along with machine diagrams.</li> <li>-List of equipment and procedures requires for local calibration and routine maintenance.</li> <li>-service and operation manuals (original and copy) to be provided.</li> <li>-Advanced maintenance tasks documentation.</li> <li>-certificate of calibration and inspection.</li> </ul>  |     |           |                |   |  |
| <p><b>Digital Colony Counter</b><br/><b>MODEL : ESTL -113, BRAND : ESTEEM</b></p> <p><b>Application</b><br/>For fast and accurate bacterial or mold colony counting and to aid in determining counts of colony clusters and exceedingly large or small colonies, and can accommodate multiple dish sizes or formats.</p> <p><b>Material of Construction</b><br/>Full stainless steel fabricated body with duly heat cured epoxy coating</p> <p><b>Display and Counting</b><br/>It should consist of</p> <ul style="list-style-type: none"> <li>-Digital display up to 4 digits with confirmation by audible tone.</li> <li>-It should consist of magnifying lens (greater than 2X magnification with digital marking pen).</li> <li>-Accepts Petri dish up to size 120 mm diameter with a centring adaptor for standard 90mm Petri dish.</li> <li>-Glare free viewing low energy bright LED's.</li> <li>-A switchable black background viewing translucent and difficult to see colonies.</li> <li>-Zero reset button.</li> </ul> <p><b>Operation and Training component</b></p> <p>The supplier will have to carry out successful Installation at our laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support service till customer satisfaction.</p> <p><b>Certificate performance and safety standards (specific to the device type), Local and / or international</b></p> <ul style="list-style-type: none"> <li>-should be FDA/CE/BIS approved product.</li> <li>-Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards.</li> <li>-Electricity safety conforms to the standard for</li> </ul> | INR | 160<br>00 | IGST :<br>2880 | 1 <sup>st</sup> yr :240.00<br>2 <sup>nd</sup> yr: 240.00<br>3 <sup>rd</sup> yr: 240.00<br>4 <sup>th</sup> yr: 240.00<br>5 <sup>th</sup> yr: 240.00<br><b>Total :</b><br>1200.00 | <b>Quoted Rate (1+2) :</b><br>18880<br><br><b>CMC (3): 1200</b><br><br><b>Total (1+2+3) :20080</b> |



|  |     |           |              |   |   |
|--|-----|-----------|--------------|---|---|
| <p>electrical safety IEC 60601-General requirements(or equivalent BIS standard)</p> <p>-Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.</p> <p><b>Supplier /manufacturer</b><br/>Must be ISO certified for quality</p> <p><b>Service support contact details (Hierarchy Wise including a toll free/landline number)</b></p> <p>Contact detail of manufacturer, supplier and local service agent to be provided. Any contact (AMC/CMC/adhoc) to be declared by the manufacturer</p> <p><b>Recommendations or warnings</b><br/>Any warning signs would be adequately displayed.</p> <p><b>Service contract clauses, including prices</b><br/>List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.</p> <p><b>Operating manuals, service manuals, other manuals</b><br/>Should provide 2 sets (hardcopy and softcopy) :-<br/>-users, technical and maintenance manuals to be supplied in English language along with machine diagrams.<br/>-List of equipment and procedures requires for local calibration and routine maintenance.<br/>-service and operation manuals (original and copy) to be provided.<br/>-Advanced maintenance tasks documentation.<br/>-certificate of calibration and inspection.</p> |     |           |              |   |   |
| <p><b>Serological Water Bath</b><br/><b>MODEL : ESTW-410 BRAND : ESTEEM</b></p> <p><b>Application</b><br/>The water bath is for routine use in microbiology protocols as well for solubilisation with precise temperature control.</p> <p><b>Material of construction</b><br/>-Rounded, seamless stainless steel bath to prevent rust, chemical damage and contamination.<br/>-powder coating like epoxy coating exterior for easy cleanup.<br/>-corrosive resistant stainless steel gabled drip free lid.</p> <p><b>Unit</b><br/>-Microprocessor controlled digital display.<br/>-Instrument should have lift up drip free bath cover.<br/>-Carrier racks should be given for flasks and test tubes racks.</p>  | INR | 195<br>00 | IGST<br>3510 | 1 <sup>st</sup> yr :292.50<br>2 <sup>nd</sup> yr: 292.50<br>3 <sup>rd</sup> yr:292.50<br>4 <sup>th</sup> yr:292.50<br><u>5<sup>th</sup> yr:292.50</u><br><b>Total</b><br>:1462.50 | <b>Quoted Rate (1+2) :</b><br>23010<br><br><b>CMC (3):1462.50</b><br><br><b>Total (1+2+3) :</b><br>:24472.5 |

- Convenient water bath drains.
- Water bath protective media should be there to prevent contamination and formation of algae.
- Easy cleaning.

#### **Temperature**

- Temperature Range: +20°C to 99°C.
- Temperature Accuracy:  $\pm 0.2^{\circ}\text{C}$  at 37°C
- Temperature Uniformity:  $\pm 0.5^{\circ}\text{C}$  at 37°C.
- Digital LED display for operating status of temperature.
- Over-Temperature Cut-Off.
- Temperature calibration function.

#### **Alarm**

- Audible warning safety signals should be there for high / low temperature warnings.
- Low liquid level

#### **Calibration**

Certificate from a ISO 17025 accredited lab for 3 different temperature points.

#### **Operation and Training component**

The supplier will have to carry out successful Installation at our laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support service till customer satisfaction.

#### **Certificate performance and safety standards (specific to the device type), Local and / or international**

- should be FDA/CE/BIS approved product.
- Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards.
- Electricity safety conforms to the standard for electrical safety IEC 60601-General requirements(or equivalent BIS standard)
- Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.

#### **Supplier /manufacturer'**

Must be ISO certified for quality

#### **Service support contact details (Hierarchy Wise including a toll free/landline number)**

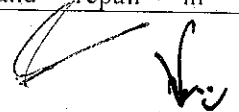
Contact detail of manufacturer, supplier and local service agent to be provided. Any contact (AMC/CMC/adhoc) to be declared by the manufacturer

#### **Recommendations or warnings'**

Any warning signs would be adequately displayed.

#### **Service contract clauses, including prices'**

List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after



|   |     |        |             |   |  |
|---|-----|--------|-------------|---|--|
| <p>guarantee/Warranty period should be attached.</p> <p><b>Operating manuals, service manuals, other manuals</b></p> <p>Should provide 2 sets (hardcopy and softcopy) :-</p> <ul style="list-style-type: none"> <li>-users, technical and maintenance manuals to be supplied in English language along with machine diagrams.</li> <li>-List of equipment and procedures requires for local calibration and routine maintenance.</li> <li>-service and operation manuals (original and copy) to be provided.</li> <li>-Advanced maintenance tasks documentation.</li> <li>-certificate of calibration and inspection.</li> </ul>  |     |        |             |   |  |
| <p><b>Upright Frost Free Vertical Deep Freezer (-25 degree C)</b></p> <p><b>Model : ESTD-102 , Brand : ESTEEM</b></p> <p><b>Applications</b></p> <p>For storage of various biological products including, ATCC cultures, enzymes, chemicals or material testing components for a longer period of time.</p> <p><b>Unit</b></p> <ul style="list-style-type: none"> <li>-Interior: Full stainless steel which can be easily cleaned and eliminates any possibility of cross contamination.</li> <li>-Cooling type: Direct cooling.</li> <li>-Should be vertical (Upright) type.</li> <li>-Microprocessor based.</li> <li>-Frost free.</li> <li>-Refrigerant: CFC-free</li> <li>-Easy to read, Led control panel and alarm status with integrated diagnostics.</li> <li>-Doors with key lock.</li> <li>-Built in voltage stabilizer/battery back-up for 24h or more.</li> <li>-Castors for easy movability.</li> </ul> <p><b>Capacity</b></p> <p>Capacity: 250 L or higher with a combination of sealed 5-7 pullout drawers /shelves of different sizes that can be adjusted for storage flexibility.</p> <p><b>Temperature</b></p> <ul style="list-style-type: none"> <li>-Range - 10_25° C with temperature controller.</li> <li>-Digital temperature display.</li> <li>-LED display for temperature and temperature history which can be downloaded via a USB port.</li> <li>-Calibration facility.</li> </ul> <p><b>Alarm</b></p> <p>Acoustic / visual safety alarms for</p> <ul style="list-style-type: none"> <li>-High /Low temperature ,</li> <li>-Door ajar and</li> <li>-malfunction system alarms.</li> </ul> <p><b>Optional Accessories</b></p> <ul style="list-style-type: none"> <li>Racks for 50 mm boxes (incl. dividers),</li> <li>Racks for 75 mm boxes(incl. dividers)</li> </ul> <p><b>Voltage stabilizer</b></p> <p>Suitable and compatible voltage stabilizer.</p> <p><b>Calibration</b></p> <p>Certificate from an ISO 17025 accredited lab for 3</p> | INR | 160000 | IGST: 28800 | 1 <sup>st</sup> yr: 2400.00<br>2 <sup>nd</sup> yr: 2400.00<br>3 <sup>rd</sup> yr: 2400.00<br>4 <sup>th</sup> yr: 2400.00<br>5 <sup>th</sup> yr: 2400.00<br>Total: 12000 | <p><b>Quoted Rate (1+2) :</b><br/>188800</p> <p><b>CMC (3):12000</b></p> <p><b>Total (1+2+3) :200800</b></p> |

different temperature points.

**Operation and**

**Training component**

The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support service till customer satisfaction.

**Certificate performance and safety standards (specific to the device type), Local and / or international**

-should be FDA/CE/BIS approved product.

-Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards.

-Electricity safety conforms to the standard for electrical safety IEC 60601-General requirements(or equivalent BIS standard)

-Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.

**Supplier /manufacturer**

Must be ISO certified for quality

**Service support contact details (Hierarchy Wise including a toll free/landline number)**

Contact detail of manufacturer, supplier and local service agent to be provided. Any contact (AMC/CMC/adhoc) to be declared by the manufacturer

**Recommendations or warnings**

Any warning signs would be adequately displayed.

**Comprehensive Maintenance**

Comprehensive Maintenance of the equipment supplied, installed, commissioned for 60 months after 05 years warranty/Defects Liability period. This will include yearly calibration start- up / commissioning routine servicing, regular maintenance, preventive maintenance of equipment and components and break down repairs as and when occurring, ensuring that system does not remain out of service for a period more than 24 hours in case of major breakdowns and 6-8 hours in case of minor breakdowns due to any unforeseen break down. The institution will provide water / Electricity power, etc. for maintenance work. The successful tendered shall keep the essential spares at sight during the contract period to avoid the delay in attending faults / maintenance.

**Service contract clauses, including prices**

List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.

**Operating manuals, service manuals, other manuals**

|   |     |        |                |   |  |
|---|-----|--------|----------------|---|--|
| <p>Should provide 2 sets (hardcopy and softcopy) :-</p> <ul style="list-style-type: none"> <li>-users, technical and maintenance manuals to be supplied in English language along with machine diagrams.</li> <li>-List of equipment and procedures requires for local calibration and routine maintenance.</li> <li>-service and operation manuals (original and copy) to be provided.</li> <li>-Advanced maintenance tasks documentation.</li> <li>-certificate of calibration and inspection.</li> </ul> <p><b>Payment</b><br/>Payment only after installation, validation and performance demonstration.</p>  |     |        |                |   |  |
| <p><b>BOD Incubator</b></p> <p><b>MODEL : ESTB -100, BRAND : ESTEEM</b></p> <p><b>Applications</b><br/>For use in microbiological laboratories to measure biochemical oxygen demand (BOD). The incubator is used to sustain and control the humidity and temperature essential to perform many types of experiments in microbiology and biology cells.</p> <p><b>Double walled modular structure with 3"thick PUF insulation</b></p> <p>a) Outer wall: Powder coated steel sheet with resin baked finish.</p> <p>b) Inner wall: Stainless steel with ribs for adjusting removable perforated shelves at the height of 45 mm.</p> <p>The nuts , screws and hinges of the inner chamber shall be of stainless steel(SS grade X07Cr18Ni9 of IS 6911:1992 or equivalent)</p> <p>c) Perforated stainless steel partition tray (6 no's).</p> <p><b>Doors</b><br/>Double door type</p> <ul style="list-style-type: none"> <li>-Inner door: Full view inner acrylic door with aluminium channel boundary, closes on a resilient gasket and permits view of the specimens (inside the incubator), without disturbing the thermal conditions inside the chamber.</li> <li>-Interior illumination.</li> <li>-Outer door: Powder coated steel sheet with resin baked finish.</li> </ul> <p><b>Capacity</b><br/>340 litres</p> <p><b>Temperature range</b><br/>5°C to 60°C with digital controller ,<br/>Temperature increment 0.1°C</p> <p><b>Control accuracy</b><br/>± 0.1°C or better (at 60° C)</p> <p><b>Distribution accuracy/uniformity</b><br/>± 0.1°C or better (at 37° C)</p> <p><b>Temperature display</b><br/>-Microprocessor based digital display of temperature along with calibration certificate by 17025 accredited agency.</p> <p>-Temperature recorder for inner chamber with</p> | INR | 192000 | IGST:<br>34560 | 1 <sup>st</sup> yr :2880.00<br>2 <sup>nd</sup> yr: 2880.00<br>3 <sup>rd</sup> yr:2880.00<br>4 <sup>th</sup> yr:2880.00<br>5 <sup>th</sup> yr: 2880.00<br>Total:<br>14400.00 | <b>Quoted Rate (1+2) :</b><br>226560<br><br><b>CMC (3):</b><br>14400<br><b>Total (1+2+3) :</b><br>240960 |

maintenance free battery backup and auto charging of battery.

**Air circulation**

With two completely in built motors along with fan to keep the temperature uniform through the chamber.

**Heat up time and cool down time**

30 min up to 60° C without load.

40 min up to +5° C without load.

**Timer**

0 to 24 hrs x 7days cyclic ON/OFF timer for illuminating port.

**Safety alarms**

Provision of audio-visual alarm to indicate

-Door opening after 2 min

-Self diagnosis function including overheat

-Prevention and over current protection

**Computer interface**

RS 485/RS 432 interface for multiple and single communication port.

**Voltage stabilizer**

Automatic stabilizer, 4KVA with TDR (3 minutes) electronic type

**Documents Certificate performance and safety standards (specific to the device type), Local and / or international**

-should be FDA/CE/BIS approved product.

-Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards.

-Electricity safety conforms to the standard for electrical safety IEC 60601-General requirements(or equivalent BIS standard)

-Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.

-Complete with IQ,OQ,PQ, documents, operations and maintenance manuals

**Supplier /manufacturer**

Must be ISO certified for quality

**Service contract clauses, including prices**

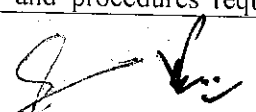
List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repair in future after guarantee/Warranty period should be attached.

**Operating manuals, service manuals, other manuals**

Should provide 2 sets (hardcopy and softcopy) :-

-users, technical and maintenance manuals to be supplied in English language along with machine diagrams.

-List of equipment and procedures requires for



|   |     |       |              |  |  |
|---|-----|-------|--------------|--|--|
| <p>local calibration and routine maintenance.</p> <p>-service and operation manuals (original and copy) to be provided.</p> <p>-Advanced maintenance tasks documentation.</p> <p>-certificate of calibration and inspection.</p> <p><b>Warranty</b></p> <p>Warranty for 05 years after satisfactory installation and working excluding consumables parts and accessories.</p> <p><b>Comprehensive Maintenance</b></p> <p>Comprehensive Maintenance of the equipment supplied, installed, commissioned for 60 months after 05 years warranty/Defects Liability period. This will include yearly calibration start-up / commissioning routine servicing, regular maintenance, preventive maintenance of equipment and components and break down repairs as and when occurring, ensuring that system does not remain out of service for a period more than 24 hours in case of major breakdowns and 6-8 hours in case of minor breakdowns due to any unforeseen break down. The institution will provide water / Electricity power, etc.for maintenance work. The successful tendered shall keep the essential spares at sight during the contract period to avoid the delay in attending faults / maintenance.</p> <p><b>Operation and maintenance training</b></p> <p>The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for a minimum of two scientific personnel operating the system and support service till customer satisfaction.</p> |     |       |              |  |  |
| <p><b>HOT AIR OVEN</b></p> <p><b>MODEL : ESTO-111, BRAND : ESTEEM</b></p> <p><b>Application</b></p> <p>For drying glassware and also for conditioning of heat sensitive media and to provide an optimal, homogeneous, temperature uniformity and stability to ensure drying is complete.</p> <p><b>Material of construction</b></p> <p>-Should have double walled construction, with high quality insulated steel. Inner walls of 304 quality SS, Outer walls of epoxy Powder coated GI sheets.</p> <p>-Facility for adjustable shelves, 10 removable shelves to be provided.</p> <p>-With internal lighting facility, insulated door fitted with heavy hinges, mechanical door lock.</p> <p><b>Capacity : Approx.200 litres.</b></p> <p><b>Temperature range</b></p> <p>-Temperature should be thermostatically controlled.</p>  | INR | 54400 | IGST<br>9792 | 1 <sup>st</sup> yr :816.00<br>2 <sup>nd</sup> yr: 816.00<br>3 <sup>rd</sup> yr:816.00<br>4 <sup>th</sup> yr:816.00<br>5 <sup>th</sup> yr:816.00<br>Total<br>:4080.00 | Quoted Rate<br>(1+2) :<br>64192<br><br>CMC (3):<br>4080<br>Total (1+2+3)<br>:68272 |

- It should be Ambient +5°C to 250°C with temperature setting accuracy  $\pm 0.5^\circ \text{C}$  with forced air circulation for temperature uniformity.
- Separate PT 100 sensor and display for temperature (LED)
- Safety alarms.

#### **Unit**

- Air ventilators to be provided on both sides.
- The equipment should be provide with microprocessor controlled digital display.
- Temperature homogeneity between top and bottom shelves should be maintained by forced circulation.

#### **Calibration**

Certificate from an ISO 17025 accredited lab for 3 different temperature points.

#### **Power supply**

All electrical peripherals required for smooth functioning e.g. voltage stabilizer should be provided.

#### **Accessories**

Should have all the accessories required for the functioning of the equipment.

#### **Certificate performance and safety standards (specific to the device type), Local and / or international**

- should be FDA/CE/BIS approved product.
- Manufacturer and supplier should have ISO 13485 certification under ISO 9001 for quality standards.
- Electricity safety conforms to the standard for electrical safety IEC 60601-General requirements(or equivalent BIS standard)
- Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.

#### **Supplier /manufacturer**

Must be ISO certified for quality.

#### **Service support contact details (Hierarchy Wise including a toll free/landline number)**

Contact detail of manufacturer, supplier and local service agent to be provided. Any contact (AMC/CMC/adhoc) to be declared by the manufacturer

#### **Recommendations or warnings**

Any warning signs would be adequately displayed.

#### **Service contract clauses, including prices**

List of all spares and accessories (including minor) with part numbers and price, required for



|  |     |        |                |   |   |
|--|-----|--------|----------------|---|---|
| <p>maintenance and repair in future after <u>guarantee/Warranty</u> period should be attached.</p> <p><b>Operating manuals, service manuals, other manuals</b><br/> Should provide 2 sets (hardcopy and softcopy) :-<br/> -users, technical and maintenance manuals to be supplied in English language along with machine diagrams.<br/> -service and operation manuals (original and copy) to be provided.<br/> -Advanced maintenance tasks documentation.</p> <p><b><u>Micropipettes</u></b></p> <p><b>Material</b><br/> Liquid Handling equipment, Autoclave</p> <p><b>Capacity/ volume</b><br/> 20-200 micron litre (variable)<br/> 100-1000 micro litre (variable)<br/> 1-10 ml (variable) (2 each to be provided)</p> <p><b>Feature</b><br/> Single channel/ manual.<br/> Volume locks to prevent drifting.</p> <p><b>Accessory</b><br/> Tips, Tip boxes</p> <p><b>Calibration</b><br/> Certificate from NABL accredited lab for 3 points.</p> |     |        |                |   |   |
| <p><b><u>Carbon Dioxide Incubator</u></b></p> <p><b>MODEL : ESTI -101 BRAND :ESTEEM</b></p> <p><b>Capacity</b> 150-200 litres.<br/> <b>Display</b> LCD /LED (minimum 5").<br/> <b>Processor</b> Microprocessor.<br/> <b>Heating type</b> Air / Water /Gel (microcompute control).<br/> <b>No. of shelves</b> 3-5 minimum.<br/> <b>Temperature control range</b> 0-80° C.<br/> <b>Ambient temperature range</b> 20-40° C.<br/> <b>Temperature control accuracy</b> ± 0.1.<br/> <b>Temperature uniformity</b> ± 0.3.<br/> <b>CO2 sensor</b> IR sensor.<br/> <b>CO2 control range</b> 0-20 %.<br/> <b>CO2 stability</b> ± 0.1%.<br/> <b>CO2 recovery time</b> 0-10 min.<br/> <b>CO2 tank switch / alarm</b> Yes.<br/> <b>Temperature recovery</b> 5-15 min.<br/> <b>O2 control system</b> Yes.<br/> <b>O2 Range</b> 0-20 %.</p>   | INR | 392000 | IGST:<br>70560 | 1 <sup>st</sup> yr :5880.00<br>2 <sup>nd</sup> yr: 5880.00<br>3 <sup>rd</sup> yr:5880.00<br>4 <sup>th</sup> yr:5880.00<br>5 <sup>th</sup> yr:5880.00<br><b>Total</b><br>:29400.00 | <b>Quoted Rate (1+2)</b><br>:<br><b>462560</b><br><br><b>CMC (3):</b><br><b>29400</b><br><b>Total (1+2+3)</b><br><b>:491960</b> |


|                    |  |  |  |  |  |
|--------------------|--|--|--|--|--|
| O2 accuracy        | ± 0.2 %.   |  |  |  |  |
| O2 sensor          | Yes.   |  |  |  |  |
| Humidity           | 95 ± 5 %.  |  |  |  |  |
| Humidity recovery  | 10-20 min.   |  |  |  |  |
| Alarm              | Audio and visual.  |  |  |  |  |
| Stacking           | Possible.  |  |  |  |  |
| Cylinders          | CO2 cylinders (2 nos.), Capacity-9-10 kg, purity 98.00 % |  |  |  |  |
| Communication port | Yes.   |  |  |  |  |
| Power              | AC 230 v / 6A, 50 Hz.                                    |  |  |  |  |
| Power consumption  | 500-600 W (max.), 50-100 W at 37° C                      |  |  |  |  |
| Disinfection       | Multiple will be preferred.                              |  |  |  |  |
| Calibration        | Certificate from NABL accredited lab for 3 points.       |  |  |  |  |
| Warranty           | 5 years with user manual.                                |  |  |  |  |

#### **Terms and Conditions:**

- 1. Delivery Site :** Rate are FOR Drug warehouse of JKMSCL/any Govt. Institution of J&K State, wherever installation is required.
- 2. Validity :** The rate contract shall remain valid for a period of two years from the date of issuance of the Contract which may be extended for a period of 90 days or till such time the new rate contract is finalized, whichever is earlier, with mutual consent of JKMSCL and successful bidder.
- 3. Taxes:** As mentioned above.
- 4. Warranty:** Five Years from the date of installation.
- 5. Performance Security** You are further required to deposit the performance security equivalent to 5% of the total invoice value in the shape of Bank Guarantee in favour of FA/CAO, JKMSCL within seven days from the date of issuance of Purchase Order(s) from time to time.
- 6. Supplies** Within 60 days from the date of issuance of supply order.
- 7. Penalty** In case of extension in the delivery period with liquidated damages, recovery of liquidated damages shall be made at such rates, as given below, of value of stores which the bidder has failed to supply :-
  - (a) Delay up to one- fourth period of the prescribed delivery period – **2.5%**
  - (b) Delay exceeding one fourth but not exceeding half of the prescribed delivery period – **5%**
  - (c) Delay exceeding half but not exceeding three- fourth of the prescribed delivery period – **7.5%**
  - (d) Delay exceeding three- fourth of the prescribed period -**10%**
  - (e) Fraction of a day in reckoning the period of delay in supplies shall be eliminated if it is less than half a day. The maximum amount of agreed liquidated damage shall be 10%.
- 8. Installation :** Installation / commissioning and necessary training for upkeep of the equipment shall be provided free of cost.
- 9. Availability of Spares:** Firm shall certify that the parts of the equipment shall remain available atleast for a period **of five years** after the year of expiry of warranty period of five years.
- 10.** You have to certify that the rates mentioned above as quoted by your firm are the lowest rates applicable to all Govt./private Institution/PSU etc. Variation found if any, during the rate contract period by the Corporation/Intending department or any other agency shall be the sole responsibility of the Contractor/Supplier/manufacturer/importer.
- 11.** The supplier/manufacturer/importer shall ensure to supply the item(s) strictly as per specifications/sample(s) approved. Variations found, if any, in instant case/or in later stages by the Corporation/Intending department/any other agency which may lead to sub standard or Not of standard/approved quality, shall be the sole responsibility of the supplier/ manufacturer/ importer/contractor.
- 12.** JKMSCL is at liberty to get the feedback from the end-user department regarding the functioning of the machinery & equipment supplied by your agency. Adverse report, if any, may lead to strict action against you under rules/terms & conditions of the NIT/guidelines issued by the Govt. from time to time.
- 13. Comprehensive Maintenance Agreement :** You are further required to execute Comprehensive maintenance agreement before the release of payment.

14. Orders shall only be placed on the basis of actual requirement and funds are available under the relevant Head of Accounts.

All the terms and conditions of the NIT, terms mentioned in the LOI shall be part of the approved Rate Contract.

  
(Inder Jeet), KAS  
Managing Director / TIA

Copy for information to the:

1. Principal Secretary to Govt., Health & Medical Education Deptt., J&K(Director, Board of Directors-JKMSCL).
2. Principal, Govt. Medical College, Srinagar (Kashmir) (Director, Board of Directors- JKMSCL).
3. Principal, Government Medical College, Jammu (Director, Board of Directors JKMSCL).
4. Principal, Government Dental College, Srinagar (Director, Board of Directors- JKMSCL).
5. Principal, Government Dental College, Jammu (Director, Board of Directors- JKMSCL).
6. Director General, Indian System of Medicines, J&K (Director, Board of Directors- JKMSCL).
7. Director, Family Welfare, MCH & Immunization, J&K (Director, Board of Directors- JKMSCL).
8. Director, Health Services, Jammu (Director, Board of Directors- JKMSCL).
9. Director, Health Services, Kashmir (Director, Board of Directors- JKMSCL).
10. Mission Director, NHM, J&K (Director, Board of Directors- JKMSCL).
11. Controller, Drug & Food Control Organization, J&K (Director, Board of Directors JKMSCL).
12. F.A/Chief Accounts Officer, J&K Medical Supplies Corporation Limited.
13. General Manager -J (Adm), J&K Medical Supplies Corporation Limited.
14. General Manager -K(P&S, IT), J&K Medical Supplies Corporation Limited.
15. Office file.