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Global Online Tender Notice No. IV-314-S&P/GT/Online/SE/ 1360 / 2019-20/ILS, dated 24.06.2019  
Supply, Installation & Demonstration/Commissioning of Scientific Equipment / Goods/ Item(s)

**CORRINGENDUM**

**1. Name of the Item(s)/Equipment/Goods: Transmission Electron Microscope**

Sl No	Name	Existing specifications	Modified Specifications
13	Image/ Data display and recording system	a. A retractable viewing screen (of at least 150 mm in diameter) coated with cathodoluminescent material and small retractable screen for critical focussing. A binocular (10x or higher) capable of independent focussing adjustment for each eyepiece should also be supplied for viewing magnified view of small screen.	a. A retractable viewing screen (of at least 150 mm in diameter) coated with cathodoluminescent material and small retractable screen for critical focussing. A binocular (10x or higher) capable of independent focussing adjustment for each eyepiece should also be supplied for viewing magnified view of small screen. Or A digital screen attached with CMOS camera for handling of all operations required for magnified viewing and allows day light operation.
20	Manpower	Manpower for TEM operation to be quoted per year for a period of 3 years from the date of installation	Manpower for TEM operation to be quoted per year for a period of 3 years from the date of installation.  <b>The qualification has to be B Tech/ M.Sc. or better. Manpower has to be quoted in optional section in INR, however, it may be included in the main equipment budget for final comparison.</b>
23	Cryo attachments including Cryo transfer system and Cryo-sample preparation system: <b>(Individual Price should be quoted)</b>	Single tilt Cryo tomography holder (temp. down to -170 °C) for single sample with matched Cryo pumping station and temp controller. Complete and Independent Cryo Sample Preparation and Transfer system with dedicated Vacuum station along with all necessary accessories, tools (eg, specially designed Insulated Tweezers, Non-Magnetic-Alloy Bent-Head Tweezers, Teflon Tweezers, spare O-rings etc ) in adequate quantities.	This item has to be included with the main equipment.

**2. Name of the Item(s)/Equipment/Goods: Complete Individually Ventilated Caging System to house Mouse with Accessories (Specifications for Mouse IVC System)**

<b>Item(s)</b>	<b>Existing Specification</b>	<b>Modified Specification</b>
<b>IVC Air Handling Unit for rack to house Mouse (Qty-2)</b>	<p>Capable to serve 4 nos. single sided racks (which can hold minimum 48 number of mice IVC cages each ) having following features / specifications: -</p> <ul style="list-style-type: none"> <li>- Compact width in SS 304construction</li> <li>- Silent operation fans with high efficiency EC motor.</li> <li>- Pre-filter, grade H4, HEPA filter, grade H14</li> <li>- Microprocessor based Programmable logical controller</li> <li>- HMI with 170-180 mm, TFT LCD 16 bit colour display with software controlled white LED backlit illumination, High Intensity Touch screen, virtual keypad.</li> <li>- Monitoring, programming of set limits, fault indication (with visual alarm) and data logging of all basic parameters. Easy selection of positive or negative pressure mode.</li> <li>- Run Hour Counter with time based 'change filter' notice, Alarm on clogging of HEPA filter, Easy adjustment of number of air changes on the basis of type and number of cages attached to the system</li> <li>- Serial Com. port (RS232), Ethernet Com. Port, USB port.</li> <li>- Multiple ventilator connectivity with PC for remote monitoring,control and option for data download</li> <li>- Power supply : 220 V, Single Ph., 50 Hz, AC supply,Noise Level &lt; 50 Db(A)</li> </ul>	<p>Capable to serve 4 nos. single sided racks (which can hold minimum 48 number of mice IVC cages each ) having following features / specifications: -</p> <ul style="list-style-type: none"> <li>- Compact width in SS 304construction</li> <li>- Silent operation fans with high efficiency EC motor.</li> <li>- Pre-filter, grade H4, HEPA filter, grade H14</li> <li>- Microprocessor based Programmable logical controller</li> <li>- HMI with 170-180 mm, TFT LCD 16 bit colour display with software controlled white LED backlit illumination, High Intensity Touch screen, virtual keypad.</li> <li>- Monitoring, programming of set limits, fault indication (with visual alarm) and data logging of all basic parameters. Easy selection of positive or negative pressure mode.</li> <li>- Run Hour Counter with time based 'change filter' notice, Alarm on clogging of HEPA filter, Easy adjustment of number of air changes on the basis of type and number of cages attached to the system</li> <li>- Serial Com. port (RS232), Ethernet Com. Port, USB port.</li> <li>- Multiple ventilator connectivity with PC for remote monitoring,control and option for data download</li> <li>- Power supply : 220 V, Single Ph., 50 Hz, AC supply,Noise Level &lt; 50 Db(A)</li> <li>- Castor wheels : 4 nos., 80 dia, SS housing, nylon wheels, 2 wheels with pad lock</li> <li>- Battery back-up for 3-4 hours &amp; Ethernet port</li> <li>- <b>5 year warranty</b></li> <li>- <b>N.B.:Due to space constraint we are procuring single sided racks ,however the Air Handling Unit should be capable of serving 2 nos. double sided racks ( which can hold 96 number of mice IVC cages each )</b></li> </ul>

	<ul style="list-style-type: none"> <li>- Castor wheels : 4 nos., 80 dia, SS housing, nylon wheels, 2 wheels with pad lock</li> <li>- Battery back-up for 3-4 hours &amp; Ethernet port</li> <li>- <b>5 year warranty</b></li> <li>- <b>N.B.:Due to space constraint we are procuring single sided racks ,however the Air Handling Unit should be capable of serving 2 nos. double sided racks ( which can hold 96 number of mice IVC cages each )</b></li> </ul>	<ul style="list-style-type: none"> <li>- <b><u>The ventilator should have the provision to work on both (Rat or Mice) as and when required by the end user.</u></b></li> <li>- <b><u>Vendor should be able to supply individual spare parts of any broken or damaged parts.</u></b></li> <li>- <b><u>The vendor should be able to provide the equipment installation and working certificate from 3-4 reputed Govt. research organisation</u></b></li> </ul>
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**3. Name of the Item(s)/Equipment/Goods: Complete Individually Ventilated Caging System to house Rat with Accessories (Specifications for Rat IVC)**

Item(s)	Existing Specification	Modified Specification
<b>IVC Air Handling Unit for rack to house Rat (Qty-1)</b>	<p>Capable to serve 4 nos. single sided racks( which can hold minimum 30 number of rat IVC cages each ) having following features / specifications:</p> <ul style="list-style-type: none"> <li>- Compact width in SS 304construction</li> <li>- Silent operation fans with high efficiency EC motor.</li> <li>- Pre-filter, grade H4, HEPA filter, grade H14</li> <li>- Microprocessor based Programmable logical controller</li> <li>- HMI with 170 mm, TFT LCD 16 bit colour display with software controlled white LED backlit illumination, High Intensity Touch screen, virtual keypad.</li> <li>- Monitoring, programming of set limits, fault indication (with visual alarm) and data logging of all basic parameters. Easy selection of positive or negative pressure mode.</li> <li>- Run Hour Counter with time based 'change filter' notice, Alarm on clogging of HEPA filter, Easy adjustment of number of air changes on the</li> </ul>	<p>Capable to serve 4 nos. single sided racks( which can hold minimum 30 number of rat IVC cages each ) having following features / specifications: -</p> <ul style="list-style-type: none"> <li>- Compact width in SS 304construction</li> <li>- Silent operation fans with high efficiency EC motor.</li> <li>- Pre-filter, grade H4, HEPA filter, grade H14</li> <li>- Microprocessor based Programmable logical controller</li> <li>- HMI with 170 mm, TFT LCD 16 bit colour display with software controlled white LED backlit illumination, High Intensity Touch screen, virtual keypad.</li> <li>- Monitoring, programming of set limits, fault indication (with visual alarm) and data logging of all basic parameters. Easy selection of positive or negative pressure mode.</li> <li>- Run Hour Counter with time based 'change filter' notice, Alarm on clogging of HEPA filter, Easy adjustment of number of air changes on the basis of type and number of cages attached to the system</li> <li>- Serial Com. port (RS232), Ethernet Com. Port, USB port.</li> <li>- Multiple ventilator connectivity with PC for remote monitoring,control and option for data download</li> <li>- Power supply : 220 V, Single Ph., 50 Hz, AC supply, Noise Level &lt; 50 Db(A)</li> </ul>

	<p>basis of type and number of cages attached to the system</p> <ul style="list-style-type: none"> <li>- Serial Com. port (RS232), Ethernet Com. Port, USB port.</li> <li>- Multiple ventilator connectivity with PC for remote monitoring, control and option for data download</li> <li>- Power supply : 220 V, Single Ph., 50 Hz, AC supply, Noise Level &lt; 50 Db(A)</li> <li>- Castor wheels : 4 nos., 80 dia, SS housing, nylon wheels, 2 wheels with pad lock</li> <li>- Battery back-up for 3-4 hours &amp; Ethernet port</li> <li>- <b>N.B.:Due to space constraint we are procuring single sided racks ,however the Air Handling Unit should be capable of serving 2 nos. double sided racks ( which can hold 60 number of mice IVC cages each )</b></li> </ul> <p><b>5 year warranty</b></p>	<ul style="list-style-type: none"> <li>- Castor wheels : 4 nos., 80 dia, SS housing, nylon wheels, 2 wheels with pad lock</li> <li>- Battery back-up for 3-4 hours &amp; Ethernet port</li> <li>- <b>N.B.:Due to space constraint we are procuring single sided racks ,however the Air Handling Unit should be capable of serving 2 nos. double sided racks ( which can hold 60 number of mice IVC cages each )</b></li> </ul> <p><b>5 year warranty</b></p> <ul style="list-style-type: none"> <li>● <b><u>The ventilator should have the provision to work on both (Rat or Mice) as and when required by the end user.</u></b></li> <li>● <b><u>Vendor should be able to supply individual spare parts of any broken or damaged parts.</u></b></li> <li>● <b><u>The vendor should be able to provide the equipment installation and working certificate from 3-4 reputed Govt. research organisation</u></b></li> </ul>
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**All other terms and conditions will remain unaltered.**

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**Stores & Purchase Officer**