

INSTITUTE OF LIFE SCIENCES

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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

SI 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. 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.
23	Cryo attachments including Cryo transfer system and Cryo-sample preparation system: (Individual Price should be quoted)	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)

Item(s)	Existing Specification	Modified Specification
IVC Air Handling	Capable to serve 4 nos. single sided racks	Capable to serve 4 nos. single sided racks (which can hold
Unit for rack to	(which can hold minimum 48 number of	minimum 48 number of mice IVC cages each) having
house Mouse	mice IVC cages each) having following	following features / specifications: -
(Qty-2)	features / specifications: -	- Compact width in SS 304construction
(Qty-2)	 Compact width in SS 	 Silent operation fans with high efficiency
	304construction	EC motor.
	 Silent operation fans with 	- Pre-filter, grade H4, HEPA filter, grade
	high efficiency EC motor.	H14
	- Pre-filter, grade H4, HEPA	 Microprocessor based Programmable
	filter, grade H14	logical controller
	 Microprocessor based 	 HMI with 170-180 mm, TFT LCD 16 bit
	Programmable logical	colour display with software controlled
	controller	white LED backlit illumination, High
	- HMI with 170-180 mm, TFT	Intensity Touch screen, virtual keypad.
	LCD 16 bit colour display	 Monitoring, programming of set limits,
	with software controlled	fault indication (with visual alarm) and
	white LED backlit	data logging of all basic parameters. Easy
	illumination, High Intensity	selection of positive or negative pressure
	Touch screen, virtual	mode.
	keypad.	- Run Hour Counter with time based
	- Monitoring, programming of	'change filter' notice, Alarm on clogging
	set limits, fault indication	of HEPA filter, Easy adjustment of
	(with visual alarm) and data	number of air changes on the basis of type
	logging of all basic	and number of cages attached to the
	parameters. Easy selection of	system
	positive or negative pressure	- Serial Com. port (RS232), Ethernet Com.
	mode.	Port, USB port.
	- Run Hour Counter with time	- Multiple ventilator connectivity with PC
	based 'change filter' notice,	for remote monitoring,control and option for data download
	Alarm on clogging of HEPA filter, Easy adjustment of	
	number of air changes on the	- Power supply : 220 V, Single Ph., 50 Hz, AC supply, Noise Level < 50 Db(A)
	basis of type and number of	- Castor wheels : 4 nos., 80 dia, SS housing,
	cages attached to the system	nylon wheels, 2 wheels with pad lock
	- Serial Com. port (RS232),	- Battery back-up for 3-4 hours & Ethernet
	Ethernet Com. Port, USB	port
	port.	- 5 year warranty
	- Multiple ventilator	- N.B.:Due to space constraint we are
	connectivity with PC for	procuring single sided racks ,however
	remote monitoring,control	the Air Handling Unit should be
	and option for data download	capable of serving 2 nos. double sided
	- Power supply : 220 V, Single	racks (which can hold 96 number of
	Ph., 50 Hz, AC supply, Noise	mice IVC cages each)
	Level < 50 Db(A)	6 /

- Castor wheels : 4 nos., 80 dia, SS housing, nylon wheels, 2 wheels with pad lock	- The ventilator should have the provision to work on both (Rat or Mice) as and when required
 Battery back-up for 3-4 hours & Ethernet port 5 year warranty N.B.:Due to space constraint we are 	 by the end user. Vendor should be able to supply individual spare parts of any broken or damaged
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)	parts. The vendor should be able to provide the equipment installation and working certificate from 3-4 reputed

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
IVC Air	Capable to serve 4 nos. single sided racks(Capable to serve 4 nos. single sided racks(which can hold
Handling	which can hold minimum 30 number of rat IVC	minimum 30 number of rat IVC cages each) having following
Unit for	cages each) having following features /	features / specifications: -
rack to	specifications:	- Compact width in SS 304construction
house	 Compact width in SS 	 Silent operation fans with high efficiency EC
Rat	304construction	motor.
Rat (Qty-1)	- Silent operation fans with high efficiency EC motor Pre-filter, grade H4, HEPA filter, grade H14 - Microprocessor based Programmable logical controller - HMI with 170 mm, TFT LCD 16 bit colour display with software controlled white LED backlit illumination, High Intensity Touch screen, virtual keypad Monitoring, programming of set limits, fault indication (with visual alarm) and data logging of all basic parameters. Easy selection of positive or	 Pre-filter, grade H4, HEPA filter, grade H14 Microprocessor based Programmable logical controller HMI with 170 mm, TFT LCD 16 bit colour display with software controlled white LED backlit illumination, High Intensity Touch screen, virtual keypad. 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. 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 Serial Com. port (RS232), Ethernet Com. Port,
	negative pressure mode.	USB port.
	- Run Hour Counter with time	- Multiple ventilator connectivity with PC for
	based 'change filter' notice,	remote monitoring, control and option for data
	Alarm on clogging of HEPA	download
	filter, Easy adjustment of	- Power supply : 220 V, Single Ph., 50 Hz, AC
	number of air changes on the	supply, Noise Level < 50 Db(A)

- basis of type and number of cages attached to the system
- Serial Com. port (RS232),
 Ethernet Com. Port, USB port.
- Multiple ventilator connectivity with PC for remote monitoring, control and option for data download
- Power supply: 220 V, Single Ph., 50 Hz, AC supply, Noise Level < 50 Db(A)
- Castor wheels: 4 nos., 80 dia, SS housing, nylon wheels, 2 wheels with pad lock
- Battery back-up for 3-4 hours
 & Ethernet port
- 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)

5 year warranty

- Castor wheels: 4 nos., 80 dia, SS housing, nylon wheels, 2 wheels with pad lock
- Battery back-up for 3-4 hours & Ethernet port
- 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)

5 year warranty

- The ventilator should have the provision to work on both (Rat or Mice) as and when required by the end user.
- Vendor should be able to supply individual spare parts of any broken or damaged parts.
- The vendor should be able to provide the equipment installation and working certificate from 3-4 reputed Govt. research organisation

All other terms and conditions will remain unaltered.

Sd/-

Stores & Purchase Officer