

**All-India Institute of Medical Sciences**  
**Ansari Nagar, New Delhi-29**  
**(RESEARCH SECTION)**

**Ref. No. 59/Prop/Biophy/SD/2019-20/RS**

**Dated: 13.03.2020**

**Subject: Purchase of Multi Configuration Behavior Video Tracking and mazes complete system for small animal for the Deptt. of Biophysics, AIIMS, New Delhi-29 on proprietary basis- Inviting comments thereon.**

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The request has been received from Dr. Sharmistha Dey, Deptt. of Biophysics, AIIMS to purchase the subject item from M/s Gentech Marketing and Distribution Pvt. Ltd. (mfg. by M/s Stoelting Co., USA) on proprietary basis. The proposal submitted by M/s Gentech Marketing and Distribution Pvt. Ltd. and Performa Invoice and Departmental PAC certifications are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within issue of 15 days giving reference **No. 59/Prop/Biophy/SD/2019-20/RS**. The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before **27/03/2020 upto 12:00 p.m.**, failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

**STORES OFFICER (RS)**

**Encl: Related documents enclosed.**

**1. PAC Certificate enclosed.**

**2. Performa Invoice**

## Technical Specification Multi-configuration Behavior Video tracking and mazes complete system for small animal

- 1) Multi-configuration behavior tracking equipment for small animal is essential for study of different conditions like anxiety, locomotors activity, depression, memory learning and stress response from small animal in experimental condition.
- 2) Multi-configuration behavior tracking system setup should consists of
  - a) Automated Open Field Test (b) Automated Novel Object Recognition Test (c) Elevated Plus Maze (d) Radial Arm Maze for rat and mice and also compatible with Automated Conditioned Place Preference Test, Automated Light/Dark Box Test Automated Hole Board Test and Morris Water Maze for rat.
- 3) Multi-Configuration Behavior tracking equipment should be a completely automated system designed to make behavioral tracking convenient and affordable for a range of behavioral tests.
- 4) It should be a multiple tests system with a single base consists of behavior tracking Software, digital interface device, universal Base Plate with IR Photo beam Array, USB CMOS Camera and Camera Accessories including locally made camera stand.
- 5) Camera should be B&W USB 2.0 CMOS with separate lens vari-focal, 2.7-13.5mm and 15 ft USB 2.0 Male to Mini cable.
- 6) IR photo beam array should provide a 'curtain' of photo beams and should be used to detect when an animal rears and also be as a movement detector for generation of reliable movement 'counts' in circumstances.
- 7) IR photo beam array should plugs directly into digital Interface device with in 100 cm for rat, maximum working distance is 50cm separation with 12.5mm space between beams (across the array) and also with option for 40cm for mice
- 8) Tracking software should be flexible and can be used to track the behavior of rodent in any types of mazes with as many as sixteen pieces of camera.
- 9) The software should have the facility to create password protected individual id to comply with GLP and the save data should also be password protected.
- 10) It should support an array of cameras like USB digital cameras, fire wire cameras, DV cam coder, and CCTV camera, or analog pre-recorded video.
- 11) It should have the ability to track animal head, center and tail and can make an orientation between these three.
- 12) It should have the facility for sequence setting to detect specific transitions of the animal with in the apparatus and also have the facility to identify specific location in the apparatus.

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*Suman Jain*  
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Dr. SUMAN JAIN  
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*Savita Yadav*  
डॉ. सविता यादव / Dr. SAVITA YADAV  
आचार्य / PROFESSOR  
जी.ए. शरीरविज्ञान विभाग  
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*Anil*  
डॉ. अनिल ललितवाल  
अध्यक्ष, शरीरविज्ञान विभाग  
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- 13) System should automatically be able to score various parameters like total distance travelled, average speed, mobile, immobile time and number of episode, total active, inactive time and episodes, longest, shortest active & inactive episodes, number of line crossings, absolute turn angle, total distance travelled by animal's head, animal body clock wise and anti-clockwise rotation, visited zone list, number of rearing episode, grooming of the animal and Overall: distance, speed, direction, Zones: Latency to enter, time in, distance from. Mobility: Latencies, time mobile, mobile bouts, Sequences: Rotations, visit to zone in an order. Behaviors: Counts, durations, frequencies, sequence of zone entry,
- 14) System should be able to perform statistical analysis of the test and view results in text, graph or spread sheet formats, with up-gradation free of cost for life time.
- 15) System should have the capacity to add or delete animals and option to amend the experimental setup during experiment without disturbing the protocol setup.
- 16) It should have the ability to start (or end) the tests in all apparatus at the same time and can automatically generate track plotting & occupancy plotting (Heat map) of test & control subjects
- 17) System should be supplied with locally made mazes like elevated plus maze for rat, radial eight arm maze for rat and Morris water maze (4.5ft dia) including camera and accessories.
- 18) Compatible desktop computer with latest configuration, wireless key board and mouse and two KVA online UPS with at-least thirty min backup.
- 19) The system should easily be connected and controlled to a variety of devices commonly used in behavior test like levers, photo-beam cells, pellet dispensers, shockers, lamps and speakers.
- 20) Five years comprehensive warranty including spare parts and labor charges.
- 21) Five years Comprehensive AMC (6th-10th year) after completion of the warranty period including spares and labor.
- 22) The company must quote the prices of all spares and accessories for the warranty period.
- 23) Comparison of financial will be done after taking into consideration the costs of CMC, spares, accessories and consumables. Any spares and accessories not quoted for the functioning of the system shall be provided free by the company in the CMC period.
- 24) Must provide certificate of European EC, CE, US-FDA/UL certified or European Union EMC & Safety Compliance Declaration or VDE - European Union Product Safety Certification.
- 25) Only Principal Companies or Authorized Distributors from Principal companies should quote. Quotations from non - authorized distributors will not be entertained. Features in the quotations should be substantiated with proper Principal Company Catalogue.
- 26) Copies of all certifications e.g. Quality Standard certificate, Proprietary Item/parts, Patent of parts/ technology, Principal company/Authorised Distributorship should be attached with the quotations.
- 27) In-House service Engineers from principal company/ or authorized agents should be available in India on 24-hour notice basis in case of emergency (this will apply for those equipment wherein this clause is not built into the specification).

*Sharmistha Day*

Dr. Sharmistha Day  
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Department of Physiology  
AIIMS, New Delhi-110029

*Suman Jain*



डा. सुमन जैन  
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*S. Law*

डॉ० सविता  
DEPT  
अ०भा०  
A.I.I./M.S.

डॉ० अरुण लाल  
Dr. Arun Lal  
आचार्य, शरीर विज्ञान विभाग  
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ALL INDIA INSTITUTE OF MEDICAL SCIENCES  
ANSARI NAGAR, NEW DELHI-110029

RESEARCH SECTION

PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE

1. Item/Type/Model No. required, along with specification. *Multia-configuration Behavior Video Tracking and maze Complete system for small animals.*
2. Is the item a spare parts attachment or accessory for an existing equipment. *No*
3. Name of the manufacturers/supplier of the item proposed by the Indentor. *Stoelting*
4. Are they sole manufacturers/sold distributors of the item. *Yes*
5. Is there any other item with similar/ equivalent specification available in the market to meet the job requirement envisaged. If the answer is yes, why the same can't be procured. Demanding officer should bring out comparative functional advantages/cost effectiveness of the recommended item from those offered by other. *No*
6. What were the efforts made to locate alternative source of supply or use other substitutes. *Others*
7. Why open/limited tender can't be resorted to, for locating alternative source. *Proprietary item*
8. Are the proprietary items certifying that the rates are reasonable or not. *Yes*
9. Any other justification for procuring item from single source. *—*

Signature of Indentor  
(Demanding Officer) *Sharmistha Dey*  
**Dr. Sharmistha Dey**  
Additional Professor  
Department of Biophysics  
All India Institute of Medical Sciences  
New Delhi-110029

*Sujata Sharma*  
**Dr. SUJATA SHARMA**  
Professor  
Department of Biophysics  
All India Institute of Medical Sciences  
New Delhi-110029

**COUNTERSIGNED**  
(Head of the Department)

*Pradeep Sharma*  
**Dr. PRADEEP SHARMA**  
Assistant Professor  
Department of Biophysics  
All India Institute of Medical Sciences  
New Delhi-110029

I certify that the item at Sr. No. 1 above is required to be procured on single tender basis as the source of supply is definitely known/the specified brand possesses advantages in meeting our functional requirements and limited tender system could be dispensed with as they would serve no useful purpose in this particular case.

(Strike out whichever is not applicable)



**GENTECH**

GENTECH MARKETING AND DISTRIBUTION PVT. LTD				
<b>TO,</b>  Dr. Sharmistha Dey Department of Biophysics All India Institute of Medical Sciences New Delhi-29		<b>Date</b>	22-Feb-19	
		<b>Payment Terms</b>	As per AIIMS	
		<b>Warranty</b>	Five Years	
		<b>Validity</b>	90 Days	
		<b>Delivery</b>	60 Days ARO	
		<b>Quotation No</b>	20A10222	
<b>QTY</b>	<b>Item No.</b>	<b>Description</b>	<b>Unit Price INR</b>	<b>Amount INR</b>
<b>Multi-configuration Behavior Video tracking and mazes complete system for small animal</b>				
1	64293	Multi-configuration-Any-box Automated for Rat Encl 100 cm	1,485,000	1,485,000
1		Digital Interface for Any-maze		
1		R&W USB 2.0 CMOS Camera		
1		Lense for 605/6. Vari-focal, 2.8-12.		
1		USB 2.0 Male to Mini Cable, 15ft		
1		Locally fabricated Elevated Plus Maze for Rat		
1		Locally fabricated Radial Arm Maze (8 Arms) for Rat		
1		Locally fabricated Water Tank dia of 5ft for Rat		
<b>Local Items to be supplied from Local Market</b>				
1		Desktop PC (i5, 4 GB RAM, 1 TB HDD)	65,000	65,000
1		UPS Online (2KVA) 1-2 an hour backup	70,000	70,000
<b>Total in INR</b>				<b>1,620,000</b>
<b>GST @ 9%</b>				<b>81,000</b>
<b>Total ( FOR ) INR with all duties and taxes</b>				<b>1,701,000</b>
AIIMS Should provide Valid CDEC otherwise customduty and GST charge will be as per actuals.				
<b>CMC Charge</b>		CMC Charge from 6th Year to 10th Year after warranty period will be Rs. 59400/- per year excluding of GST Charge @18%		
The above product are from Stoelting CO, USA				
Stoelting Co				
620 Wheat Ln, Wood Dale,				
IL 60191, United States				
Phone: +1 630-860-9710				
<b>Banking Information</b>				
Bank Name: - Axis Bank Ltd				
Account No: - 223010200002905				
IFSC Code: - UTIB0000223				
A/C Name: Gentech Marketing & Distribution Pvt Ltd				
Authorized For Gentech Marketing & Distribution (P) Ltd.				
Director				
Gentech Marketing and Distribution Pvt Ltd				

**Gentech Marketing And Distribution Pvt. Ltd.**

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