

ADVERTISEMENT FOR EQUIPMENT PURCHASE AT KEM HOSPITAL

Free tenders are invited for **Stereotaxic Instrument & Grip Strength Meter for mice and rats** at Department of Pharmacology & Therapeutics, Seth G S Medical College and KEM Hospital. The specifications are as follows

A. Specifications – Stereotaxic Instrument for Mice & Rats

1. Stereotaxic instrument requested for proper alignment with adaptors for both rat and mice for the stereotaxic placement of electrodes, micropipettes, cannula and other devices.
2. The instrument should have either rugged “U” frame or flat surface to which a three-dimensional Manipulator / Holder should be affixed (with corner clamp). Manipulator X, Y, Z adjustment must be Metric scale 80 mm travel, calibrated 0.1 mm vernier scale.
3. Angle adjustment should be based on fully universal joint calibrated on two planes for access from any angle. Vertical alignment pin should be removable for angled settings from 0° - 90° either side of vertical in 1°-2° increments.
4. In U frame instrument platform, rotation adjustment must be based on manipulator swivel base which can be rotated up to 360°. Manipulator X/Z axis should be repositionable at 90° increments.
5. The stereotaxic frame should be mounted on a >15"L x >9"W base plate and elevated to bring ear bar height to >50 mm. Ear bar slots must be made on the “U” frame and have 0.1 mm verniers for ease in centering the animal. Ear bar zero to posterior end of base plate should be >8". Rat Adaptor with a nose and tooth bar assembly offering various stereotaxic adjustments must be there.
6. Dorsal/Ventral adjustment dial must be calibrated in 100 micron increments, 1 mm per revolution. Dorsal/Ventral adjustment should be up to 30 mm Dorsal - 10 mm above ear bar zero Ventral - 20 mm below ear bar zero Adaptor Plate A/P adjustment - 44 mm Ear Bars - 18° Tip Rat Ear Bars (>6 mm square with 35 mm of calibration)
7. Should be able to maintain accuracy and flexibility at different temperatures.
8. Syringe pump and drill should be attached to the stereotaxic Instruments directly.

9. Three years comprehensive warranty to be followed by 5 years AMC. Technical support, required spares and consumables should be assured for two years after initial 3 + 5 period is over.
10. It should be CE certified along with declaration of conformity or US FDA approved.
11. Demonstration of quoted model is compulsory.
12. Service training to MEC engg. and operational training to user department.
13. Operating and detail service manual should be provided.
14. Tropicalization: Operating temperature: 40 ° C.
Storage temperature: 60 ° C.
Relative humidity: Up to 90 % non condensing.

B. Specifications of Grip Strength Meter for mice and rats

1. A bench top instrument having three units pull bar assembly or grasping tool , control unit having force transducer with digital display and USB socket
2. Pull bar assembly or grasping tool is of stainless steel or metal for rats and mice connected to control unit.
3. The instrument should allow to perform fore and hind limb assessments concurrently with the dual sensor with sensor range of 0-1Kg for mice and 0-5Kg for rats.
4. The values may be either recorded manually or automatically with the included software in pounds or kilograms or grams or newtons with Accuracy +/- 0.25% of full scale capacity
5. The control Unit should also have automatic zeroing facility between successive readings
6. The software should be compatible with windows 7 (& higher)
7. Voltage stabilizer if needed should be supplied along with the instrument.
8. RS232 or USB port for data interface and suitable software to transfer data to the PC.

General Requirements:

- I) It should have CE certified along with declaration of conformity or US FDA approved.

- II) Power supply: 230V \pm 15%, 50Hz \pm 3%.
- III) Demonstration of the quoted model compulsory.
- IV) It should provide with operating/service manual.
- V) Servicing Training to MEC engineers and operational training to user department.
- VI) Three years comprehensive warranty and 5 years AMC and CMC. Technical support, required spares and consumables should be provided for a period of 2 years after the initial 3 + 5 period is over. All the software should be licensed and upgraded free of cost within warranty and AMC period.
- VII) Tropicalization:
 - Operating Temperature: up to 40° C.
 - Storage Temperature: up to 60° C.
 - Relative humidity: up to 90% non condensing.

***Kindly send us two copies of quotations for each instruments**

1. It should be printed on **letter head** bearing **rubber stamp & signature**.
2. It should be addressed to **Diamond Jubilee Society Trust**, Seth GS Medical College & KEM Hospital
3. Last date of Quotation submission: **23rd July, 2016** on or before **12:00 pm in the afternoon**.
4. Mention following on the top of envelope
“Quotation for Stereotaxic instrument/ Grip strength apparatus for mice & rats”
5. Send it to following address

Kind Attention: Dr. Padmaja A. Marathe
Diamond Jubilee Society Trust, Department of Pharmacology & Therapeutics, Seth GSMC and KEMH, College Bldg 1st Floor, Parel, Mumbai 400 012.

For any queries please contact: Dr. Padmaja A. Marathe, Mob: 9619466099
Dr. D. G. Kurle, Mob: 9757423862