



अखिल भारतीय आयुर्विज्ञान संस्थान, पटना

All India Institute of Medical Sciences, Patna

CORRIGENDUM/ADDENDUM

Date: 03/09/2016

With reference to tender no. AIIMS/Pat/Tender/2016/Pharmacology/Equipment1/452 B dated 01/08/2016 a pre bid meeting was held on 09.08.2016 in committee hall, Medical college building, AIIMS Patna. A Corrigendum was issued on 22.08.2016.

The issues raised by the firms after this corrigendum (page no. 86 to 95) were discussed and the committee recommended following further corrigendum/Addendum to be issued:-

1. In technical specifications - Item No. 1, Electroconvulsimeter -
 - a) Point No. 3.2 Product should be CE/BIS approved should be read as Product should be European CE approved
 - b) Addendum as Point No. 4.2 - Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered
2. In technical specifications - Item No. 2, Cook's Pole Climbing Apparatus -
 - a) Point No. 3.1 Should be CE / BIS approved product should be read as Product should be European CE approved
 - b) Point No. 3.3 Manufacturer/Supplier should have ISO certification for quality standards should be read as Manufacturer should have ISO certification for quality standards
3. In technical specifications - Item No. 3, Rotarod (6 compartments)- Computerized
 - a) Point No. 2.1 Microprocessor / microcontroller treadmill is required for rats/mice should be read as Microprocessor / microcontroller treadmill is required for rats and mice.
 - b) Point No. 2.4 Provision of recording 5 animals simultaneously in five test zones with independent trip counter should be read as Provision of recording min. 4 animals in 4 test zones with independent trip counter detection facility through infrared photo cells placed perpendicular to the rod with clear front panels for viewing during test.
 - c) Point No. 2.5 Plexiglass front panels for viewing during test should be read as Plexiglass/ Acrylic front panels for viewing during test



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- d) Point No. 2.6 Adjustable test length(at least upto 900 sec, start speed (0-20,25,30 variation of +/- 3 RPM),top end speed(Max speed 30 RPM),ramp speed, Forward and reverse rotation mode should be read as Adjustable test length, spindle speed range from 0 upto 99.9 r.p.m, with acceleration increment of 0.1 RPM/sec to 20.0 RPM/sec and in forward and reverse rotation mode.
 - e) Point No. 2.7 PC connectivity as well as suitable PC of Latest configuration should be supplied should be read as PC connectivity through serial port to communicate with the recording and controlling software as well as suitable PC of Latest configuration should be supplied.
 - f) Point No. 2.8 Printer connectivity as well as Printer should be supplied should be read as Printer connectivity as well as branded laser black and white printer should be supplied.
 - g) Point No. 3.1 Should be CE / BIS approved product should be read as Should be European CE approved product
 - h) Point No. 3.3 Manufacturer/Supplier should have ISO certification for quality standards should be read as Manufacturer should have ISO certification for quality standards
 - i) Addendum as Point No. 2.11 Back of the instrument should be covered to prevent escape of the animal.
 - j) Addendum as Point No. 2.12 Fall off of the animal should be detected by IR detection attached perpendicular to the beam.
 - k) Addendum as Point No. 2.13 Appropriate software for analysing data should be provided.
4. In technical specifications - Item No. 4, Photoactometer
- a) Point No. 1.1 Solid State instrument for monitoring spontaneous & induced Ambulatory activity of laboratory animals should be read as Solid State instrument for monitoring spontaneous & induced Ambulatory activity of laboratory animals - rats and mice.
 - b) Point No. 2.2 Product should be CE/BIS approved should be read as Product should be European CE approved.
 - c) Point No. 1.2 should be deleted
 - d) Point No 1.3 should be deleted
 - e) Addendum as Point No. 1.4 2 animals should be able to be analysed simultaneously in all 3 axes (XYZ).
 - f) Addendum as Point No. 1.5 PC connectivity through serial port to communicate with the recording and software as well as one suitable PC of latest configuration should be supplied.
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- g) **Addendum as Point No. 1.6** Animal movement's measurements should be through infrared beam cells attached in the sensor beam.
 - h) **Addendum as Point No. 1.7** Sensor beam should come with the system with beam spacing min. 1"
 - i) **Addendum as Point No. 3.2** Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/ para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.
5. In technical specifications - Item No. 5, Elevated Plus Maze
- a) Point No. 2.1 Should have an elevated 4 arm maze in which 2 arms are open and 2 are closed with glass opening on top. (H×L×W : 40-45 cm×50-60 cm×10-12 cm) **should be read as Should be locally fabricated and have an elevated 4 arm maze in which 2 arms are open and 2 are closed with an opening on top. (H×L×W : 40-45 cm×50-60 cm×10-12 cm).**
 - b) Point No. 2.2 Should have closed arm walls are held solidly in slotted base **should be read as Locally fabricated plus maze Should have closed arm walls held solidly in slotted base.**
 - c) Point NO. 2.3 Grey non reflective base plate **should be read as Grey/dark colour non reflective base plate.**
 - d) Point No.3.1 Should be CE/BIS approved product **should be read as Should be European CE approved product.**
 - e) Point No. 3.3 Manufacturer/Supplier should have ISO certification for quality standards **should be read as Manufacturer should have ISO certification for quality standards**
 - f) Point No. 2.4 Grey Walls Height: 500 mm, **should be deleted**
 - g) Point No 2.5 Transparent Walls Height: 100 mm **should be deleted**
 - h) Point No. 2.6 Made by: Wood / stainless steel **should be read as Locally fabricated plus maze should be made of metal and coated to prevent rust**
 - i) **Addendum as Point No 2.8** Animal should be tracked through a USB based CMOS Camera and behavioural tracking software communicated between each other through USB cable (10 ft), & lens. They should fulfil international standards
 - j) **Addendum as Point No 2.11** Tracking software should track any type of animal in any type of mazes and automatically score over hundred different parameters like
 - a) Overall: distance, speed, direction
 - b) Zones: Latency to enter, time in, distance from, tracking to animal head, cenetr point and tail
 - c) Mobility: Latencies , time mobile, mobile bouts,
 - d) Sequences: Rotations, visits to zone in an ordere)
 - Behaviours: Counts, Durations, Frequencies and track automated three point



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detection of test animal (head, center, tail) and simultaneous tracking of multiple animals and be able to perform and generate statistical analysis of the test and view results in text, graph or spreadsheets formats

- k) **Addendum as Point No 2.15** Tracking software protocol should have the following options for selection like video source, apparatus, zones, ports, sequences, keys, switches, test setting and options, fields, targets, stages, events & actions, calculations, analysis and result, report & data.

6. In technical specifications - Item No. 14, Isolated Organ Bath

- a) Point No. 1.1 The isolated organ bath should provide accurate recording of isometric or isotonic tissue contraction / release **should be read as The isolated dual channel computer controlled organ bath should provide accurate recording of isometric or isotonic tissue contraction / release through graphical representation with common circulator and advanced temperature controlled unit**
- b) Point No. 1.2 The complete compartment should be transparent for easy visualization **should be read as The complete setup should be compact, transparent for easy visualization and made of high quality thick perspex.**
- c) Point No. 1.5 System should have precision water temperature control **should be read as The System should have common water circulator with precision digital water temperature control unit along with inlet outlet pipe for dual bath setup.**
- d) Point No.1.6 The tissue washing should be achieved by without exposing tissue to the air **should be read as Electro valves should allow automated simultaneous or individual emptying and refilling of tissue chambers at the press of a button. Electrovalves must have a provision to be used manually or remotely by using digital output of the Data Acquisition System.**
- e) Point No. 1.9 The system should be supplied with all essential accessories like one muscle chamber, temperature equilibrating coil, holder, supporting rod, isometric and isotonic transducers **should be read as The system should be supplied with all essential accessories for dual bath system like 2 diff. Size tissue chambers 10,25 mL, tri angle tissue holder clip, 2 diff. Size warming coil, like one muscle chamber, temperature equilibrating coil, holder, supporting rod, isometric (range 0-20gms) and isotonic $\pm 15^\circ$ (range 0-30 $^\circ$) transducers, force transducer, oxygen filter, micrometer assembly, reservoir (atleast 2L), reservoir holder.**
- f) Point No.1.10 should be supplied with a suitable data acquisition system & software **should be read as Should be supplied with a suitable data acquisition system & Automatic Analysis software that tabulates the results automatically or manually.**



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- g) Point No. 2.1 Should be CE / BIS approved product **should be read as Should be European CE approved product**
- h) Point No. 2.3 Manufacturer/Supplier should have ISO certification for quality standards **should be read as Manufacturer should have ISO certification for quality standards.**

The last date of submission of tender documents is extended up to 19.09.2016 up to 14:00 hours

sd/-
Faculty-Incharge
Procurement Cell
AIIMS Patna