



Date: 29-09-2016

Corrigendum

Tender Enquiry No. AIIMS-RPR/Store/Tender/Laminar air Flow, Electronic Weighing Balance & Other Equip./2016/01 for “Laminar air Flow, Electronic Weighing Balance, Digital pH meter, Drying Rack for Microbiology Department” at AIIMS, Raipur.

Schedule-A: Laminar Air Flow

Quantity: 01 Nos.

Point No.	Existing sentence	To be read as/ Addendum
Page no. 16 as mentioned in tender document	Point no.1 Vertical laminar airflow. Point no.2 Approximate dimensions: 730 X 300 x 700mm Point no.3 Optional mobile base. Point no.4 Built in ultraviolet lamp with timer. Point no.5 Vertical laminar airflow. Point no.6 Approximate dimensions: 730 X 700mm Point no.7 Optional mobile base. Point no.8 Built in ultraviolet lamp with timer. Point no.10 Electrical specification: 220 volts, 50Hz. single phase A.C.	Point no.1 Horizontal laminar flow clean bench. Point no.2 External Dimensions (W x D x H) Without Base Stand- 1340 x 800 x 1120 mm approx. Point no.3 Adjustable support stand with caster wheels for laminar air flow as per dimensions of the cabinet Point no.4 Should have UV Lamp of approx. life 3000hrs & Programmable UV timer to extend UV lamp life Point no.5 Deleted Point no.6 Deleted Point no.7 Deleted Point no.8 Deleted Point no.10 Electrical Power Rating 8: 220-240 VAC, 50 / 60 Hz, 1 phase
Point to be added / Addendum		
Point no.12 Nominal Size - 4 Feet / 1.2 Meter Point no.13 Should have Microprocessor Controller to display all safety information on one screen Point no.14 Standby Mode for more energy saving(ISO Class 5) Point no.15 Energy Efficient DC ECM Motor Point no.16 Leading Low Noise Laminar Flow Cabinet, Sound emission per IEST- RP-CC002.2 :- 55.8 dBA Point no.17 Real-time Airflow Monitoring for Stable & self-compensating flow Point no.18 ULPA filter (ISO Class 3). Point no.19 Should have pre filter Point no.20 Average Airflow Velocity-0.45 m/s (90 fpm) at initial set point with Air Volume- 1117 m ³ /hr Point no.21 Internal Work Area, Dimensions (W x D x H) 1200x 620 x 575 mm approx. Point no.22 Should possess Polycarbonate Front Cover Point no.23 Should have Direct Mounted Electrical Outlet Point no.24 Fluorescent Lamp Intensity at Zero Ambient-1139 Lux Point no.25 Cabinet Construction- Main Body -1.2 mm, 18-gauge electro-galvanized steel with white oven- baked epoxy-polyester powder-coated finish Point no.26 Cabinet- Work Zone- 1.2 mm, 18-gauge stainless steel, grade 304, with 4B finish with spill-		

retaining work top design.

Point no.27 Cabinet- Sidewall- UV absorbing colorless and transparent tempered glass of 5 mm

Point no.28 Cabinet Full Load Amps (FLA)- 7.3A

Point no.29 Optional Outlets (FLA)- 5 A

Point no.30 Cabinet Nominal Power (W)- 170 W approximately

Point no.31 Minimum heat rejection ability- 583 BTU per hour

Point no.32 Should pass IQ, OQ, PQ, Particle Count Test, Velocity Test and Smoke Pattern Test, should be provided along with original brochure

Point no.33 Standards Compliance with appropriate certifications as follows

- i) Cabinet Performance : IEST-RP-CC002.2, Worldwide
- ii) Air Quality : ISO 14644.1, Class 3, Worldwide
- iii) Filtration : IEST-RP-CC001.3, Worldwide/ IEST-RP-CC007, Worldwide/ IEST-RP-CC034.1, Worldwide
- iv) Electrical Safety : IEC61010-1, Worldwide

Schedule-B: Electronic Weighing Balance -0.001gm

Quantity: 01 Nos.

Point No. / Page no. 16 as mentioned in tender document	Existing sentence	To be read as/ Addendum
1	Capacity : 200- 500 gm	Weighing capacity 30-35g
2	Readability : 0.001 gm	Readability 1 µg
3	Repeatability (Standard Deviation)- ≤0.1mg or 0.001g	Repeatability ≤ ± 2 µg
4	SS Weighing Pan; Size- 100 x180mm	Pan size Φ 30 mm
5	Linearity: +/- 0.002 gm	Linearity ≤ ± 10 µg
6	Response Time: 3- 4 sec	Average Response time – upto 15s
8	Main Body Dimensions (mm) approx.- 213(W)×356(D)×338(H)	Balance dimensions (W x D x H)- Weigh cell- 230 x 450 x 240 mm approx., Display and control unit- 260 x 350 x 110 mm approx.
11	Operating Ambient Temperature- 5-40°C 20-85%	Allowable ambient operating temperature +5°C to +40 °C with adaptation & optimization according to ambient conditions
12	Multifunction weighing units	Selectable weight units - Grams, kilograms, carats, pounds, ounces, Troy ounces, parts per pound
13	Easy to ready VFD/LED display	Backlit, graphical display for consistently bright weight readouts.
16	Should be operated in mains 220 – 240 V AC 50/60 Hz input power supply - 12V, 1A	Power connection - Using wide-range AC adapter for voltage ratings of 100 V to 240 V, Nominal frequency 50 – 60 Hz

Point to be added / Addendum

19. External calibration weight 30g (E2)
20. Dust and water protection rating of the balance housing according to EN 60529
21. Power consumption max. 70 VA (average 21 VA)
22. Hours of operation with fully charged external battery pack, approx. 10 hr
23. DC nominal supply voltage 10.5 to 25 Vdc
24. Selectable application programs - Toggle weight units, counting, weighing in percent, animal weighing, recalculation, calculation, density determination, differential weighing, air buoyancy correction, air density determination, check weighing, time-controlled functions, totalizing, formulation, statistics, 2nd tare memory, identification codes, product data memory.
25. High-resolution balance of special accuracy for extremely precise measurement of mass.
26. Should have facility for quick determination of the standard deviation to check the repeatability of results
27. ISO/GLP-compliant recording capability for printouts
28. Password-protected menu lock, removable key board.
29. Display of maintenance/ service intervals when due
30. Automatic initialization when switch on the balance
31. Fully automatic calibration/adjustment function with memory for calibration records.
32. Certifications- CE certificate for weighing instrument, EN61326, EN61010 & EN60950.

Schedule-C: Digital pH meter**Quantity: 01 Nos.**

Point No. / Page no. 17 as mentioned in tender document	Existing sentence	To be read as/ Addendum
1	Display 3½ Digit LED	Display – Digital LED 7 segment
4	Slope Control 80 – 120%	Slope Correction – 85% to 115%
8	Company should have ISO certification	Certificate – ISO 9001:2008

Point to be added / Addendum

10. Millivolt Range – 0 to ± 1999 mV
11. Resolution – 0.01 pH
12. Repeatability - ±0.01 pH ± 1 digit for pH
13. Standardization Range - ± 1pH
14. Temperature Compensation – 0-100°C(Digital Display)
15. Dimension – 240x190x90mm Approx.
16. Accessories – Combined Electrode, Temperature Sensor , Stand and clamp

Store Officer
AIIMS, Raipur.