



DEPARTMENT OF BIOCHEMISTRY
UNIVERSITY OF DELHI SOUTH CAMPUS

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2nd March 2015

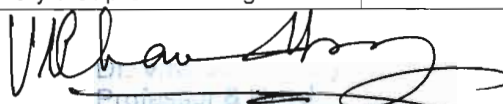
Sub: " Supply of Electronic Multichannel pipettes & accessories, Department of Biochemistry 020315 "

Dear Sir,

Please submit your lowest prices (INR/CBW/direct import) (as two part bid i.e. technical and financial) for the supply of **Electronic Multichannel pipettes & accessories**. It is important that the variations, if any, are mentioned clearly in the technical bid in the compliance format. The two bids should be kept in sealed envelopes distinctly marked as **technical or financial** and these two sealed covers should be kept in another envelope marked as "Offer for the supply of **Electronic Multichannel pipettes & accessories**". The quantity of some items (pipettes and tips) may change, but within 50% of the quantity listed below.

Supply of Multichannel pipettes of the following specification:

A. 8-channel Electronic pipet 15-300 ul. with following specifications		Quantity required – Two (2)
S.No.	Description	Compliance (Yes / No)
1	Volume range 15-300 ul	
2	One multifunction rocker for liquid aspiration & dispensing.	
3.	Autoclavable lower parts	
4.	Should have provision for removing individual channels to adjust the distance between channels.	
5.	Should have provision for performing automatic dispensing, dispensing, pipetting, pipetting & mixing, manual pipetting	
6.	Spring loaded tip cone that provide maximum tightness	
7.	Pipette should have Li-Polymer battery that provides long service life , should continue to work while charging	
8.	Accuracy $\pm 1\%$ or better $\pm 1.0\%/\pm 0.3\mu\text{L}/30\mu\text{L}$; $\pm 0.5\%/\pm 0.75\mu\text{L}/150\mu\text{L}$; $\pm 0.25\%/\pm 0.75\mu\text{L}/300\mu\text{L}$;	
9	Coefficient of variation $2.5\%/\pm 0.75\mu\text{L}/30\mu\text{L}$; $\pm 1.0\%/\pm 1.5\mu\text{L}/150\mu\text{L}$; $\pm 1.8\%/\pm 1.8\mu\text{L}/300\mu\text{L}$;	
10.	It should automatically save the last 10 sets of parameters	
11.	Supplied with charger and other necessary tools	
12.	Comprehensive warranty for 2 years	
B. 8-channel Electronic pipet 50-1200 ul. with following specifications		Quantity required – Two (2)
1	Volume range 50-1200 ul	
2	One multifunction rocker for liquid aspiration & dispensing.	
3.	Autoclavable lower parts	
4.	Should have provision for removing individual channels to adjust the distance between channels.	
5.	Should have provision for performing automatic dispensing, dispensing, pipetting, pipetting & mixing, manual pipetting	
6.	Spring loaded tip cone that provide maximum tightness	
7.	Pipette should have Li-Polymer battery that provides long service	


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	life , should continue to work while charging	
8.	Accuracy $\pm 1\%/\pm 1.2\mu\text{L}/120\mu\text{L}; \pm 0.4\%/\pm 2.4\mu\text{L}/600\mu\text{L}; \pm 0.3\%/\pm 3.6\mu\text{L}/1,200\mu\text{L};$	
9	Coefficient of variation $\pm 6.0\%/\pm 7.2\mu\text{L}/120\mu\text{L}; \pm 2.7\%/\pm 16.2\mu\text{L}/600\mu\text{L}; \pm 1.2\%/\pm 14.4\mu\text{L}/1,200\mu\text{L}$	
10.	It should automatically save the last 10 sets of parameters	
11.	Supplied with charger and other necessary tools	
12.	Comprehensive warranty for 2 years	
C.	Bulk Tips for 15-300ul pipet 70x1000	
D.	Bulk Tips for 50-120ul pipet 20x1000	
E.	PCR Cooler starter kit pack of 2 with colour change function	
F.	O rings for nose cone 6X24 pieces	
G.	Battery set - 6nos	
H. Peltier cooled thermostat of the following specifications:		
1.	Heating & cooling through peltier technology	
2.	Heating and active cooling in all common vessel and plate formats from 50 μL to 50ml	
3.	Predefined temperature keys to four-five important experimental temperatures. (4°C, 16°C, 37°C, 56°C and 95°C)	
4.	Program memory should be 15 or more	
5	Equipment to have wide range of smart blocks to work with different types of tube and plates	
6.	Temperature control range: from -10°C to 110°C	
7.	Temperature accuracy: $\pm 0.5^\circ\text{C}$ between 20°C and 45°C, $\pm 1^\circ\text{C}$	
8.	Timer 15s to 99:30h, continuous	
9.	Heating rate Max. 8°C/min or more)	
10.	Cooling rate Max. 4.0°C/min	
11.	Should be provided with block of 24x 1.5 ml tubes \$ Quote Other blocks as optional	
12.	or Should have USB interface	
13.	Provision of thermal lid technology to avoid condensate formation	
14.	Comprehensive warranty for 5 years	

Other conditions:

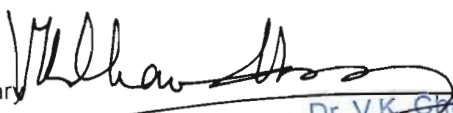
1. The supplier should be the original manufacturer or **authorized main/sole distributor** (attach sole distributorship certificate). The distributorship should be at least 5 years old and the tenderer must have sold and serviced similar equipments from the manufacturer in the Delhi academic institutions worth Rs.20 lacs / year or Rs. 30 lacs in the last three years.
2. The manufacturer should be a reputed company either a Government of India undertaking or should be multinational with presence in 5 countries and in India for the last 10 years.
3. The offer should be valid for a period of 3 months.

The offer in two separate envelopes marked 'Technical' and 'Financial', and then kept in one envelope marked "Tender for **Electronic Multichannel pipettes & accessories**" should reach the undersigned by **12th March 2015**.

It is important to provide compliance to technical items in the tabular form as attached including the compliance to the point mentioned under 'Other Conditions'

Yours sincerely,

Prof Vijay K. Chaudhary
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