



झारखण्ड केंद्रीय विश्वविद्यालय  
**Central University of Jharkhand**  
**Brambe, Ranchi, Jharkhand, 835205**

**Ref. no. CUJ/CLS/ECR/2017/01**

**Dated: 01-09-2017**

Sealed Quotations without any erasures and overwriting are invited for Supply of Thermal Cycler, Adjustable nucleic acid sequencing kit (33cm width,42cm capability), High Voltage Programmable Power Supply, 0-3000V 50/60Hz, 230V, Sub - Cell GT System, with 15x15cm UVTP tray and gel caster, casting gates, combs as per following details:

Sl. no.	Required Item	Quantity
1.	Thermal Cycler	1
2.	Adjustable nucleic acid sequencing kit (33cm width, 42cm capability)	1
3.	High Voltage Programmable Power Supply, 0-3000V 50/60Hz, 230V	1
4.	Sub - Cell GT System (Horizontal gel electrophoresis, with 15x15cm UVTP tray and gel caster, casting gates, combs with Power Pac Basic power supply 220/240V	1

Quotation may be submitted keeping in view, the terms and conditions otherwise quotations will be rejected.

**Terms and Conditions**

1. The specifications for the items quoted should be explicit, clear and all available technical literature, catalogues and other data in support of the specifications of the items should be furnished along with the quotation. Quotation should be valid for a minimum period of 3 months from the due date.
2. The sealed quotation should reach on or before 5:00 PM on 21.09.2017 to Dr. Pallavi Sharma, Principal Investigator, SERB-ECR Project, Centre for Life Sciences, Central University of Jharkhand, Brambe-835205, Ranchi. The envelope should be super scribed with name of the item (s) to be supplied. Tender/ quotation should be sent through Post/ Courier/ By Hand.

3. Bids will be opened on 22.09.2017 at 11:30 A.M. in the Office of the Head, Centre for Life Sciences, Central University of Jharkhand, Brambe-835205, Ranchi in the presence of tenderers or their representatives who would like to be present.
4. The rate quoted should be inclusive of all packing, forwarding, commissioning & installation, sales tax, freight and insurance charges. GST or other duties and levies where legally liable and intended to be claimed should be distinctly shown separately in the quotation. GST Registration No. and validity date should be indicated.
5. Incomplete/Conditional/Optional quotations will not be accepted.
6. Maximum delivery period will be 21 days from the date of issue of the work order.
7. The Tender Document for items will be Two-Bid system consisting of Technical Bid (Annexure-I) and Price Bid (Annexure-II). The Tender Document will be submitted item-wise in two separate sealed covers clearly mentioning on the envelope the details of items for which Bid is submitted.
8. The Tender Documents comprising of Price-Bid, Technical Bid and Earnest Money Deposit of 2% of the value of the equipment (refundable) in the form of Bank Draft in favour of “Central University of Jharkhand” payable at Ranchi kept in the separate envelope super- scribed with the name of the same. The Tender Document must be enclosed with Earnest Money Deposit otherwise the tender document will be rejected. All the documents must be enclosed in a bigger size envelope super-scribed with the tender number and item name.
9. The Bidder must enclose point wise compliance of the technical specifications of each item.
10. The Central University of Jharkhand takes no responsibility for delay, loss or non-receipt of quotations/ documents sent by post and reserves the right to accept or reject the quotation without assigning any reason.
11. Corrections if any must be attested. All rates shall be indicated both in words as well as figures. Where there is a difference between the rates quoted in words and figures, rate quoted in words will prevail.
12. The University will not entertain requests for revision in prices once quoted for whatever reason after the tenders are opened during the period of contract.
13. Minimum One (01) years Guarantee / warranty period at site will start from the date of acceptance of stores in full and final quantity in satisfactory condition, after due inspection and/ or successful installation and commissioning as applicable
14. Full payment will be made within 30 days of the receipt and acceptance after inspection of supplies at destination, quotations containing different payment terms are liable to be ignored.
15. All goods must be delivered at our university at Brambe, Ranchi (Centre for Life Sciences) after confirmed order. The University will not be responsible for issuing any Road Permit.
16. Only Manufacturer/ Authorized dealer/ firms of repute dealing in the items listed in the quotation having experience in sale and repair/ maintenance, need apply.
17. Only latest models/ mentioned models of items need to be quoted.

18. Only those Manufacturers liable to participate having ISO 9001 and ISO 14001 certification.
19. All legal disputes shall be under the jurisdiction of Jharkhand High court, Ranchi.
20. The University reserves the right to accept or reject any Bid, without assigning any reason thereof. No correspondence in this regard will be entertained.
21. All the participating firms should attach supporting documents in favour of: a) Have at least 3 years of experience in the field. b) Have an annual turnover of at least Rs. 25 Lakh per annum for each of the last 3 years (i.e. 2011-12, 2012-13 & 2013-14) (Agency should produce a certificate from their Audit Firm in respect of turnover for the mentioned period) c) Be registered with Directorate of Industries or Small Scale Industries or any other appropriate authorities. d) Have valid TIN Number for registration under GST e) Have PAN for Income Tax. Supporting documents for Income Tax return for the last Two years (i.e. 2012-13, 2013-14). f) Documents as proof in respect of Technical bid along with supporting documents. g) Profile and Track Record of the agency (3 years) h) Copy of signed Balance Sheets of last three years. i) Detailed terms & conditions regarding performance/ warranty/ bank guarantee/ Inspection/ LD/ penalty for delayed supplied will be elaborated in purchase order. j) For proprietary items/ single manufacturers or Government manufacturers, proper certification in original is to be attached along with the Technical Bid.
22. Details specification of the equipment annexed as Annexure-III.
23. Bidders can supply all the items or selected items as per their convenience. But, EMD should be provided separately for separate item
24. University reserves the right to issue the purchase order to a single firm or may be divide it into more than one firm.

Dr. Pallavi Sharma

(Principal Investigator, SERB-ECR Project)

**TECHNICAL BID**

The tenderer must submit the following information against every serial number as under:-

**I. General Particulars to be provided by the Tenderer (The bidder should provide the following particulars along with relevant supporting documentation)**

1. Name of the firm .....
2. Mailing address with contact Number: .....  
.....
3. Name of the Proprietor .....
4. (i) Tel. No. .... (ii) Mobile No .....
- (iii) Fax No. .... (iv) E-mail address .....
5. Whether the firm registered firm (Yes/No), if Yes please mentioned registration no. ....  
(i) GST No. .... (ii) TIN No. .... (iii) PAN No. ....
6. Name and designation of the person authorized to make commitments to CUJ, Brambe, Ranchi  
.....
7. Year of establishment of firm. ....
8. Whether the firm has enclosed the Bank Draft/Pay Order/ Banker's Cheque as EMD .....
9. Whether the Firm/Agency has signed each and every page of Tender/NIT (Yes/No) .....
10. Any other information, if necessary .....

Place: .....

Name: .....

Date: .....

Business Address: .....

.....  
Signature of Bidder: .....

Seal of the Bidder:

## PRICE-BID

DETAILS OF ARTICLE

Sl. no.	Description of the Items	Quantity	Rate quoted (in Rs.)
1.	<b>Thermal Cycler</b>		
	<b>Specifications</b>		
2.	<b>Adjustable nucleic acid sequencing kit (33cm width, 42cm capability)</b>		
	<b>Specifications</b>		
3.	<b>High Voltage Programmable Power Supply, 0-3000V, 50/60Hz, 230V</b>		
	<b>Specifications</b>		
4.	<b>Sub - Cell GT System, with 15x15cm UVTP tray and gel caster, casting gates, combs</b>		
	<b>Specifications</b>		

Place: .....

Name: .....

Date: .....

Business Address: .....

.....

Signature of Bidder: .....

Seal of the Bidder:

### Annexure-III

#### List of Instruments with Specification

<u>Item name</u>	<u>Feature</u>	<u>Specification</u>	<u>Quantity</u>
<b>Thermal Cycler</b>	Should be Gradient PCR Thermal Cycler facility		1
	Sample Capacity:	96 x 0.2 ml tubes, 0.2ml tube strips or 1 x 96 well plate	
	Speed of ramping :	Maximum: 4°C; Average: 2.5°C	
	Temp accuracy :	Temp range : 4-100°C	
		+/- 0.5°C of programmed target	
		Temp uniformity: +/- 0.5°C well-to-well within 30	
		sec of arrival at target temperature.	
	Display	5.7" VGA colour touch screen	
		Programming Options: Step-based graphical	
	Memory :	500 typical programs on board; unlimited	
		with USB flash drive expansion	
	Reporting:	Exportable run logs, system logs	
		Instant incubation: Yes	
		Port: 1 USB A	
	Thermal Gradient:	Thermal Gradient accuracy : +/- 0.5 deg C of programmed temperature	
	Row Uniformity:	+/- 0.5°C well-to-well (within row) within 30 sec	
	Gradient Range:	30-100°C	
	Thermal Gradient differential range	: 1 - 25°C	
		Sample volume 1-100 uL	
		Weight : 9 Kg (20Lb)	
		Dimension: (WxDxH): 26x47x23cm (10x18x9")	
	Input Voltage : 100 - 240 V AC, 50 - 60 Hz, 400 W		
<b>Accessories</b>			
UPS	2 KVA online UPS for 30 min back up	1	
<b>PowerPac HV Power Supply</b>	High voltage programmable power supply	System Should be 100–120/220–240 V, power supply for high-voltage applications including low-current applications such as IEF and DNA sequencing, includes power cord	1

	Output specifications	Voltage: 20–3,000 V or higher	
		Current: 1–400 mA	
		Power: 1–400 W	
	Type of output	Constant voltage, constant current, constant power, or constant temperature	
	Timer control	1 min–99 hr 59 min, fully adjustable	
	Volt-hour control	0-9999 V-hr	
	Pause/resume function	Yes	
	Display	Large LCD display	
	Programmable methods	9 Programs each with 9 steps.	
	Real-time clock	Yes	
	Automatic recovery after power failure	Yes	
	Temperature control	Yes, via temperature probe; upto 90°C adjustable in 1 degree C steps	
	Safety features	No-load detection; rapid resistance change detection, ground leak detection, overload/short circuit detection, overvoltage protection, over-temperature protection	
	Operating conditions	0–40°C; 0–95% humidity in absence of condensation	
	Number of output jacks	4 sets in parallel	
	IQ/OQ protocols	Yes	
	Input power (actual)	90–120 or 198–264 VAC, 50 - 60 Hz, autoswitching	
	DC output	Max Ripple: ± 1% Drift: ± 1%, after 30-minute warm-up	
	Safety compliance	EN61010	
	Dimensions (W x D x H), cm/in	7.5 x 34 x 10/3 x 13.4 x 3.9	
	Weight, kg/lb	2.85/6.3	
<b>ADJUSTABLE NUCLEIC ACID SEQUENCING KIT, 33cm width, 42cm capability</b>	ADJUSTABLE NUCLEIC ACID SEQUENCING KIT, 33cm width	Should include Single vertical electrophoresis cell with safety covers and power leads Leak proof silicone gasket on upper reservoir to which the glass plates are clamped 1 sets 42cm glass plates, 1 combs 0.4mm x 62 well 1 spacer sets (wedge spacers excluded) 1 roll gel sealing tape, 1 wedge plate separator, 1 gel thermometer strip, 1 packet of Gel Repel, White spring clamps	<b>1</b>
	Seal	Leakproof seal when glass plates are clamped in place.	

	Base	Dual Adjustable System with rotating base to allow easy access to either side of unit.	
	Drains	Both upper and lower reservoirs should have drains with tubing adapters for easy disposal of buffer.	
	Buffer reservoir	Bottom buffer reservoir should be easily detachable	
	<b>Extra Accessories</b>	33cm(w) x 42cm(h) notched glass plate set for 33cm wide units	<b>1</b>
		0.4mm x 62 well, 4.50mm point to point, printed VALOXTM sharktooth combs for 33cm wide units	<b>1</b>
		0.4mm x 42cm polycarbonate spacer sets for 20cm or 33cm wide units	<b>1</b>
		Gel Sealing Tape, 1" thick x 72 yards	<b>1</b>
		Wedge Plate Separators, pair 1	<b>1</b>
		Adhesive Electrophoresis Gel Thermometer Strip	<b>1</b>
		Large white clamp, for holding thicker sandwiches together. (Jaws slightly open in resting position). Clamps glass plates to upper reservoir & holds aluminum in place.	<b>2</b>
<b>Horizontal Electrophoresis System, 15 x 15 cm tray, with gel caster and casting gates</b>	<b>Horizontal Electrophoresis System</b>	System should be included Buffer tank Lid with cables 15 x 15 cm tray Leveling bubble 15- and 20-well combs Casting gates Gel caster	<b>1</b>
	Fits Gel tray sizes (OD) (W x L)	15 x 10 cm	
		15 x 15 cm	
		15 x 20 cm	
		15 x 25 cm	
	Sample throughput	1–120	
	Base buffer volume	~1 L	
	Buffer recirculation	No	
	Bromophenol blue migration	~3.0 cm/hr (at 75 V)	
	<b>Accessories</b>		
	<b>PowerPac™ Basic Power Supply</b>	System should be ideal for submerged horizontal and mini vertical gel electrophoresis and provides sufficient output for the Mini Trans-Blot® cell.	<b>1</b>



Features include:	Pause mode for editing run parameters, or stopping and resuming the run	
Failure Detector	Power failure detection in timed mode; when power returns run will complete	
Automatic Detection	Automatic detection of rapid changes in resistance, and no load conditions	
	Compact and stackable	
	Flip-down legs to change viewing angle	
Output specifications	10–300 V, fully adjustable in 1 V steps	
	4–400 mA, fully adjustable in 1 mA steps	
	75 W (maximum)	
Type of output	Constant voltage or constant current with automatic crossover	
Output terminals	4 pair recessed banana jacks in parallel	
Timer control	1 min–99 hr 59 min, fully adjustable	
Pause/resume function	Yes	
Display	3-digit LED	
Operating conditions	0–40°C; 0–95% humidity in absence of condensation	
Safety compliance	EN61010	
Safety features	No-load detection; rapid resistance change detection, ground leak detection, overload/short circuit detection, overvoltage protection, over-temperature protection	
Input protection	Fuse on hot and neutral	
Dimensions (W x D x H), cm/in	21 x 24.5 x 6.5/8.3 x 9.6 x 2.6	
Weight, kg/lb	1.1/2.4	
Accessories		
<b>UV-Transparent Gel Tray</b>	Should included Pkg of 1, 15 x 15 cm gel tray, allows casting gels in cells using casting gates, for use with Sub Cell GT System	<b>1</b>