



DEPARTMENT OF BIOTECHNOLOGY
GAUHATI UNIVERSITY
Gopinath Bordoloi Nagar , Guwahati-781014, Assam

Notice Inviting Quotations (dt.12/09/2016)

Sealed quotations from reputed vendors, dealers and suppliers are invited to supply, installations etc. for the following items required for the research project of Prof. M. C. Kalita under DBT's Joint Indo-Brazil Research Collaboration project entitled **"Integrating Biorefinery Approach towards production of sustainable fuel and chemical from algal biobased system"**.

The last date of submitting quotations to the undersigned is 18th September, 2016. The sealed quotations are to be submitted to Prof. M.C. Kalita, DBT's Joint Indo-Brazil Research Collaboration project, Department of Biotechnology, Gauhati University, Guwahati-781014, Assam on all working days till the last date during office hours (10.00 AM to 4.00 PM).

Rates must be shown in following order:

Sl No.	Item	Detail Specifications	Unit Price	Tax	Price with Tax and upto installations

All terms and conditions will be as per Gauhati University rules, regulations and decisions.
List of items-

SINo.	Items	Specifications
1	OIL EXPELLER	<ul style="list-style-type: none">• A mini oil expeller having capacity of 10 kg/hr with all accessories. A Solvent Extraction system: range 0-100%. Solvent recovery: 65-70%. Solvent Volume: 60-100 ml. Temp. Auto tuned PID Microcontroller. Temp. Ambient to 200⁰C. Extraction timer: 1-999 min. Extraction thimble nitrocellulose. A hot water tank with 50 liters capacity equipped with heating-coil, water inlet & outlet, over flow valve, drain control valves, thermometer etc.• Prices must have to be inclusive of the door delivery and installation with all necessary accessories• Minimum Three years warranty

Prof. M. C. Kalita
12/9/16

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Gauhati University
Guwahati- 14

2	MICROSCOPE	<ul style="list-style-type: none"> • Completely integrated “all-in-one” inverted cell imaging system • Single compact unit including: inverted microscope, digital color camera and LCD display • Long life LED illumination (up to 50,000 hours) • Color camera built-in to the microscope base • 4-position objective turret • User defined Phase-contrast LWD objectives options (4x, 10x, 20x and optional 40x) • Rack and pinion focus mechanism • Optional mechanical stage for microplates or other vessels • Compact footprint; the entire system can be easily moved into a cell culture hood or glove box • Low power consumption (less than 20 Watts/hr) • Two USB output ports • Direct output to USB storage device • Supported output file formats: .jpg, .bmp and .tif • Prices must have to be inclusive of the door delivery and installation with all necessary accessories • Minimum Three years warranty
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*** The parties are required to declare that after the warranty is over, free service will be provided for additional three years and a qualified Engineer would attend to n number of breakdown calls".

Copy to:

1. Head, Deptt. Of Biotechnology, Gauhati University.
3. Notice Board, Gauhati University
4. Gauhati University Web administration for publishing the NIQ in the GU website.

Handwritten signature and date: 12/9/16

Prof. M. C. Kalita
 Department of Biotechnology
 Gauhati University
 Guwahati- 14

No. DBT/IC-2/Indo-Brazil/2016-19/04
Government of India
Ministry of Science & Technology
Department of Biotechnology

Block-2, 6-8 Floors,
CGO Complex, Lodi Road,
New Delhi - 110003
Dated: 15.06.2016

SANCTION ORDER

Sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of a joint Indo-Brazil project entitled as "Integrated Biorefinery Approach towards production of sustainable fuel and chemicals from Algal biobased systems" at a total cost of Rs.244.17751Lakh(Rupees Two Crore Fourty Four Lakh Seventeen Thousand Seven Hundred and Fifty One Only) in favor of three institutions i.e. Registrar, Tezpur University, Tezpur- Assam, India-781014 and Registrar, Guwahati University, Guwahati, Assam, India-781014 and Director, Indian Institute of Technology, Guwahati, Assam, India-781039 for a period of four years on the terms and conditions detailed below:

2. Joint Project Title:

Integrated Biorefinery Approach towards production of sustainable fuel and chemicals from Algal biobased systems

3. Joint Investigators:

Indian side	Brazilian side
<p>Principal Investigators Lead Investigator - Prof. D. Deka, Head, Department of Energy, Tezpur University, Tezpur-781014, Assam, India Tel: 03712 27 5301 (o), +919435380897 (mobile) Fax : 03712267006/5 E-mail: dhanapati@tezu.ernet.in, ddeka1965@gmail.com Prof. M C Kalita, Department of Biotechnology, Gauhati University, Guwahati-781014, Assam, India Phone: 91-0361-2700231(O); Fax: 91-0361- 2700231 E-mail: mckalitagu@gmail.com Dr Vaibhav V Goud, Department of Chemical Engineering, IIT Guwahati, Guwahati- 781039 Phone: +91 9957573605, E-mail: vvgoud@iitg.ac.in</p>	<p>Prof. Donato Aranda, Chemical Engineering Department Federal University of Rio de Janeiro Brazil, +55 (21) 2562-7657 E.mail: donato@eq.ufrj.br</p>

Received
20/7/16

B. Indian Institute of technology, Guwahati, Assam

(Rs. in Lakh)

S. No.	Item	2016	2017	2018	2019	Total
A.	Non-recurring					
1.	Hydrodynamic Cavitations set up	14.50	0.00	0.00	0.00	14.50
2.	Rotary Evaporator	6.36121	0.00	0.00	0.00	6.36121
	Subtotal (A) =	20.86121	0.00	0.00	0.00	20.86121
B.	Recurring					
1.	Manpower					
	C. SRF [1; @Rs.28000p.m.+10% HRA]	3.696	3.696	3.696	3.696	14.784
	D. RA-I [1 @Rs.36000p.m.+10% HRA]	4.752	4.752	4.752	4.752	19.008
	E. Project Technician [1; @Rs.12000pm]	1.44	1.44	1.44	1.44	5.760
2.	Consumable	3.00	3.00	2.00	2.00	10.00
3.	Contingency	0.50	0.50	0.50	0.50	2.00
4.	Travel					
	Domestic	0.50	0.50	0.50	0.50	2.00
	Overhead	0.50	0.50	0.50	0.50	2.00
	Subtotal (B) =	14.388	14.388	13.388	13.388	55.552
	Total=	35.24921	14.388	13.388	13.388	76.41321

C. Guwahati University, Guwahati, Assam

(Rs. in Lakh)

S. No.	Item	2016	2017	2018	2019	Total
A.	Non-recurring					
1.	Microscope including Photography attachment	6.80	0.00	0.00	0.00	6.80
2.	Oil expeller	4.75	0.00	0.00	0.00	4.75
3.	Up gradation of existing raceway open micro alga pond system	8.30				8.30
	Subtotal (A) =	19.85	0.00	0.00	0.00	19.85
B.	Recurring					
1.	Manpower					
	D. JRF [1, @Rs.25000p.m.+10% HRA]	3.30	3.30	0.00	0.00	6.60
	E. SRF [1 for 1st & 2nd yr]	3.696	3.696	7.392	7.392	22.176