

# UTTAR BANGA KRISHI VISWAVIDYALAYA, PUNDIBARI: COOCH BEHAR

## Inviting Quotation

**Tender No. UBKV/RKVY/CC/09-10/T-1/04**

**Date: 17-03-2010**

The University is willing to purchase some instruments /equipments which are usually used in the Agriculture Universities. Interested bonafied suppliers/ manufacturers/ authorized dealers and service providers may contact the office of the Registrar for further details on all working days during office hours and submit their quotations for particulars item(s).

**Last date of submission of quotations is 27.3.2010 upto 4.00 P.M.**

### **Terms & Conditions:**

- 1. Quotations to be addressed to the Respective Principal Investigators as mentioned against the items, UBKV, Pundibari, Cooch Behar (Addresses of the Principal Investigators are given at the end of the document).**
- 2. Quotations must be submitted in a sealed cover with broad heading mentioning the name of the items/ equipment with serial number separately on the top of the envelop.**
3. Rates should be quoted in order of serial numbers of articles mentioned in the list provided.
4. The supplier should mention the extent of discount, if any, over the listed prices for each company/ items.
5. Rate should be quoted with applicable taxes, duties and incidental charges (including clearing agent cost if applicable) per item basis.
6. CST, other taxes and VAT to be charged as per norms should be specifically mentioned.
7. Guarantee period for each item and nature and period of after installation / sales and service facilities should be mentioned clearly.
8. More than one specification for a single item may be mentioned with rate.
9. Copy of the tax clearance certificate (Income Tax/ Sales Tax / Professional Tax) and **Current Dealership / Manufacturing / SSI certificate** should be attached with quotations.
- 10. The materials must be delivered at site by the Supplier at their own cost and responsibility.**
11. The University reserves the right not accept the rate even from the lowest bidder / supplier.
12. The University reserves the right to accept or reject any or all tenders without giving any reason whatsoever.
13. The bidders / supplier may be present at the time of opening of the tenders.

P. Mukhopadhyay  
Principal Investigator  
RKVY Project on Climate Change

## **Equipments to be purchased under different RKVY projects**

Sl. No.	Name of the equipments	Specification	Make model	Name of the PI
1	Oven	Inner chamber (24 inches/30 inches), SS 304 grade	Indian / foreign make, branded / ISI approved with high precision and durability	Prof. S. K. Laha
2	Polythene Sealing machine	For sealing of 1-5 kg ploythene bags	Indigenous standard make	Prof. S. K. Laha
3	Autoclave horizontal	Inner diameter 18-20", Stainless Steel	Indigenous standard make	Prof. S. K. Laha
4	Inverter with Sine Wave/ UPS	i. 1 KVA ii. 3KVA iii. 5KVA	APC, Microtek, Luminous, Genus or any other good make	Prof. S. K. Laha
5	Laminar air flow	Horizontal model, 3'x2'x2'	Indigenous standard make	Prof. S. K. Laha
6	Generator	Low noise,	Honda or any good make	Prof. S. K. Laha
7	Soil neutron probe	Complete set featured with data logging facility / cycle facility and highly suitable to work under varying moisture levels at different depths at the field; robust and accurate in measurement with ability to measure at different soil depths using a single probe; ensures stable soil-specific calibration and protection against salinity or air gap with adequate safety devices	Foreign make (CPN or any other international standard model)	Dr. P. Mukhopadhyay
8	Tractor	Strength 60 / 70 HP	New Holland, John Deer or any good make	Dr. P. Mukhopadhyay
9	Power tiller		Donfang, Sifang	Dr. P. Mukhopadhyay
10	Automatic weather station	Temperature / RH probe, wind velocity / direction probe, rain gauge, evapotranspiration estimate, soil moisture probe, leaf wetness probe, soil temperature	Campbell Scientific or any other good make	Dr. P. Mukhopadhyay
11	GIS software	Arc GIS, Arc view 9.3 with extensions	ESRI	Dr. P. Mukhopadhyay

Sl. No.	Name of the equipments	Specification	Make model	Name of the PI
12	GPS	GPSMAP 76 CSX		Dr. P. Mukhopadhyay
13	Soil erosion monitoring system	Complete set with weather proof enclosure, fitted with data logger and power supply; sensor-based principal component highly suitable for monitoring of temporal distribution of erosion and deposition automatically	Indian / foreign make, branded / ISI approved with high precision and durability	Dr. P. Mukhopadhyay
14	Soil moisture, temperature and salinity meter	Complete set with digital and portable type; high accuracy and durability and suitable for operation under varying range of soil moisture, temperature and other parameters	Indian / foreign make, branded / ISI approved with high precision and durability	Dr. P. Mukhopadhyay
15	Water velocity indicator system	Complete set featured with latest type micro-controller based direct velocity indicator suitable for measuring water velocity in a flowing stream; devices of sensor and display of data with sound memory facility for saving sufficient numbers of readings; trouble free and simple operational system	Indian / foreign make, branded / ISI approved with high precision and durability	Dr. P. Mukhopadhyay
16	Water analysis kit	Complete set featured with advance technological back up; suitable for measuring water pH; redox potential; TDS, temperature, EC, dissolve O <sub>2</sub> (ODR), water carbonate and bi-carbonate, hardness <i>etc.</i> ; portable / stationary type and sensor-based.	Indian / foreign make, branded / ISI approved with high precision and durability	Dr. P. Mukhopadhyay
17	Ground water monitoring system	Complete set with data logger / sensor-based; suitable for continuous monitoring of ground water and surface with having sound protective device for data security; enable to measure under variable range (1 bar, 2 bar <i>etc.</i> ); maintenance free easy operational mechanism and high battery life.	Indian / foreign make, branded / ISI approved with high precision and durability; robastic type	Dr. P. Mukhopadhyay
18	Maximum minimum Thermometer		Standard quality, reputed brand with high efficiency	Dr. P. Mukhopadhyay
19	Wet and Dry bulb thermometer		Standard quality, reputed brand with high efficiency	Dr. P. Mukhopadhyay
20	Mobile shredder	For faster shredding of tree branches, bushes and shrubs up to dia ¾" green & 1/5" dry matter; power operated or diesel/ petrol driven	Sharpex	Prof. S. K. Laha
21	Rotating plough	For operation in small experimental plot specially in wet soil; power operated; trouble free operation	Standard quality, reputed brand with high efficiency	Dr. P. Mukhopadhyay

Sl. No.	Name of the equipments	Specification	Make model	Name of the PI
22	Pump (electric/diesel)	2 HP	Crompton, Greaves, Kirloskar	Prof. S. K. Laha
23	Carbon di-oxide (CO <sub>2</sub> ) analyzer	Portable AC / DC infrared type; complete set with all accessories; digital display and suitable for measuring varying ranges of CO <sub>2</sub> (0 - 10,000 ppm); operating temperature between 10 - 40 <sup>0</sup> C with data logger upto 40,000 readings storage capacity and loaded with windows software	Indian / foreign make, branded / ISI approved with high precision and durability	Dr. P. Mukhopadhyay
24	Canopy Temperature and Lux meter	Complete set with auto adjustment suitable for measuring between 0 - 50,000 lux and operating temperature 0 - 50 <sup>0</sup> C; sampling time < 1 second with data base facility ensuring trouble free operation	Indian / foreign make, branded / ISI approved with high precision and durability	Dr. P. Mukhopadhyay
<b>Training and Documentation Items</b>				
25	Computer	Desktop Laptop Mini Laptop INTEL processor, high capacity RAM with DVD writer including original operating system (Windows) and Microsoft office	HP, Compaq, Dell	Prof. S. K. Laha
26	Laser Printer	Black	HP, Canon	Dr. K. Das
27	Digital camera	10/12 mega pixel, 4x/6x optical zoom	Canon, Nikon, Sony	Dr. K. Das
28	Air conditioner	Temperature controlled with heating facility (Inverter AC)	LG or any standard make	Dr. P. M. Bhattacharya
29	Virus Scanner	5/10 users pack/ reactivation pack	Quick Heal	Dr. P. M. Bhattacharya
30	Laser All in One	Colour out put with high resolution	HP, Canon	Dr. P. M. Bhattacharya
31	External Hard disk	160/ 280 /500 GB	Transcend, Buffalo or and standard make	Dr. P. M. Bhattacharya
32	Lamination machine	Document lamination, A3 / A4	AVANTI or any standard make	Dr. P. Mukhopadhyay

Sl. No.	Name of the equipments	Specification	Make model	Name of the PI
33	Comb binder with accessories		AVANTI or any standard make	Dr. P. Mukhopadhyay
34	Steel almirah	4 shelves	Indigenous Standard make	Dr. P. Mukhopadhyay
35	Book shelf with glass front	4 shelves	Indigenous standard make	Dr. K. Das
36	Computer table	4ft with shelves for printer, UPS etc.	Godrej	Dr. P. Mukhopadhyay
37	Revolving chair	Height adjustable and push back	Godrej	Dr. P. Mukhopadhyay

Sl. No.	Name of the items	Specification	Make model	Name of the PI
<b>Consumable Items</b>				
38	Protrays	104 cavity, 56 cavity and 38 cavity	Any standard make	Dr. P. M. Bhattacharya
39	Establishment of Low Cost Polyhouse / Zero Energy Polyhouse	<p>Size – 5m x 10m = 50m<sup>2</sup></p> <p>Structure – 32mm+ 25 mm± 1mm GI round pipe with ZIP technology, door size – 6’x3’ lockable</p> <p>Cladding – 200 micron UV stabilized polyfilm (certified materials) with moveable (rolling facility) system, sides covered with insect proof net fixed lengthwise</p> <p>Provision of moveable shade netting on the roof</p> <p>Civil work – structure should be raised on C. C. Column size 2’x1½’x1’</p> <p>Floor – natural</p> <p>Or Bamboo made structure with 200 micron UV stabilized polyfilm (certified materials) and sides covered with insect proof net fixed lengthwise.</p>	Indigenous	Prof. S. K. Laha

Sl. No.	Name of the items	Specification	Make model	Name of the PI
40	Establishment of Low Cost Shadehouse / Zero Energy Shadehouse	Size – 5m x 10m = 50m <sup>2</sup> Structure – 32mm+ 25 mm± 1mm GI round pipe with ZIP technology, door size – 6’x3’ lockable Cladding – Agroshadenet Black / Green all round the structure Civil work – structure should be raised on C. C. Column size 2’x1½’x1’ including water supply facility Floor – natural Or Bamboo made structure with UV stabilized shade net (certified materials) and sides covered with insect proof net fixed lengthwise.	Indigenous	Dr. P. M. Bhattacharya
41	Establishment of Mist propagation unit	Area – 50 m <sup>2</sup> Floor – cemented including bench system and inner and outer sewerage having path of about 45cm all round the polyhouse Structure - 32mm+ 25 mm± 1mm GI round pipe with ZIP technology, with buffer room, including water supply facility Cladding – 200 micron UV stabilized polyfilm (certified materials) with moveable (rolling facility) system, sides covered with 40 mesh net fixed lengthwise Provision of 70:30 moveable shade netting on the roof Misting unit with controller and mister including water supply Control of temperature by evaporative cooling system Or cladding with UV stabilized double layered polycarbonate panel.	Indigenous	Prof. S. K. Laha

#### Addresses of the Principal Investigators:

1. Prof. S. K. Laha, Department of Plant Pathology, Uttar Banga Krishi Viswavidyalaya, PO-Pundibari, Coochbehar, West Bengal, 736165
2. Dr. P. Mukhopadhyay, Office of the Director of Extension Education, ATIC Building, Uttar Banga Krishi Viswavidyalaya, PO-Pundibari, Coochbehar, West Bengal, 736165
3. Dr. K. Das, Department of Agricultural Economics, Uttar Banga Krishi Viswavidyalaya, PO-Pundibari, Coochbehar, West Bengal, 736165
4. Dr. P. M. Bhattacharya, Department of Plant Pathology, Uttar Banga Krishi Viswavidyalaya, PO-Pundibari, Coochbehar, West Bengal, 736165