



पूर्वी क्षेत्र के लिए भारतीय कृषि अनुसंधान परिषद का अनुसंधान परिसर
ICAR RESEARCH COMPLEX FOR EASTERN REGION
(भारतीय कृषि अनुसंधान परिषद INDIAN COUNCIL OF AGRICULTURAL RESEARCH)

आई.सी.ए.आर. परिसर, पोस्ट – बिहार भेटनरी कॉलेज, पटना – 800014 (बिहार), भारत
ICAR Parisar, P/o - Bihar Veterinary Collage, Patna – 800 014 (Bihar), INDIA
फोन सं. Phone No. (0612) 2228805, **2228882*104**, फैक्स सं. Fax No.2223956, E-mail: aorcerc@rediffmail.com

Speed Post

F.No.IRCER/09-10/P&S-20/Equipment/

Dated: 06.09.2010

To,

M/s

Sub: Quotation for supply of “Camera / UPS / CVT / Refrigerator” at ICAR-RCER, Patna - reg.

Sir,

ICAR Research Complex for Eastern Region, Patna, a unit of Indian Council of Agriculture Research, Ministry of Agriculture, Govt. of India, invites quotations for “**supply of Camera / UPS / CVT / Refrigerator at ICAR-RCER, Patna**” of this institute from the reputed suppliers.

Accordingly it is requested to quote your lowest rates keeping in view of the following terms and conditions:-

1. The offered rates should reach this office on or before **20.09.2010** up to **5.00 PM** at the latest. The quotation received thereafter will not be considered. The quotations so received will be opened on **next working day**.
2. **The offer supported with under DGS&D rate contract will get priority for selection/favorable consideration.**
3. No advance payment will be made but payment is assured within 10 days from the date of receipt of material in good condition and successful installation at **Institute** /commissioning of the ordered items including demonstration and training to our concerned officials at our satisfaction.
4. The quantity proposed in the quotation might be increased or decreased at the discretion of the Director, ICAR Research Complex for Eastern Region, Patna, while placing the order.
5. Offers should be supported by manufacturer’s printed price list, wherever applicable.
6. Detailed specifications, make, guarantee period and leaflet/catalogue should be sent along with the quotation.
7. The rates should be quoted for **F.O.R., ICAR Research Complex for Eastern Region, Patna basis** and inclusive of all charges such as Packing, Forwarding expenses, Freight, Insurance Charges, E.D., Sales Tax etc.

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8. The item/equipment may be dispatch through Railway Cargo or by Road Transport, but kindly note the Institute will **not be responsible to arrange any Road Permit**, if required.
9. The **supply/installation will** have to be completed **within 20 days** from the date of receipt of this office supply order. In the case of failure to execute the supply within stipulated period, **penalty will be charges @ 0.25% per week**.
10. **Earnest Money Deposit @ 5,000/-** is to be deposited in the shape of Demand Draft drawn in favour of “ICAR Unit: ICAR-RCER, Patna” alongwith quotation, which will adjusted against security deposit or otherwise refunded. Quotations without EMD are liable to be rejected. The EMD shall not carry any interest.
11. **Security Deposit @ 5%** of the cost of the article value is to be deposited in the shape of Demand Draft drawn in favour of “**ICAR Unit: ICAR-RCER, Patna**” within 10 days from the date of issuing the supply order, which will be refunded after satisfactory completion of warranty period / 01 year.
12. Tendering firm will be required to indicate their valid Income Tax /PAN No., Sale Tax/VAT numbers, and to **submit their authorization of the manufacturer**.
13. Conditional tenders are liable to be rejected summarily.
14. Kindly note lowest offer should not be mandatory to accept on the part of this Institute.
15. The Director, ICAR Research Complex for Eastern Region, Patna reserves the right to accept or reject any of the quotations without assigning any reasons thereof.

The quotations should be addressed to the **Administrative Officer, ICAR Research Complex for Eastern Region, ICAR Parisar, P.O.: Bihar Veterinary College, Patna – 800 014 (Bihar)** in a sealed cover superscribed quotation for **“supply of Camera / UPS / CVT / Refrigerator at ICAR-RCER, Patna”**.

Yours faithfully,

(G.F. Shahir)
Administrative Officer

Contd./03

Specification for supply of Camera / UPS / CVT / Refrigerator at ICAR-RCER, Patna

Sr. No.	Name of articles & specification	Qty.
A)	Institute Fund:-	---
1.	<p>Digital Camera/ Digital SLR (With IS lens Kit (18-135mm):-</p> <ul style="list-style-type: none"> ❖ Sensor – 22.3 x 14.9mm CMOS sensor RGB colour filter & built in low pass filter (with self cleaning unit) ❖ Resolution –18MP (5184x3456) ❖ View finder coverage – Approx. 100% ❖ Auto, ISO 100-6400 ❖ White balance – Auto, Daylight, Shade, Cloudy, Tungsten light, White florescent light, Flash, Custom, Colour temperature setting (2500-10000K in 100K steps), WB correcting and bracketing ❖ Exposure modes- Program, Aperture-priority, shutter-priority, Manual, Bulb ❖ Shutter speeds 30-1/8000 sec to 1/60sec (full Auto mode), X-sync at 1/250sec, bulb ❖ Picture style – Standard, Portrait, Landscape, Neutral, Faithful, and Monochrome, 3 User defined styles ❖ Colour space – SRGB, Adobe RGB ❖ LCD monitor – 3.0” TFT LCD ❖ Interface – Hi – speed USB, video output 3.5mm mini – jack, HDMI mini type C ❖ Power – Lithium-Ion rechargeable battery, AC adapter ❖ (One extra battery required) <p>Lenses:- 28-200 f/3.5-5.6 IS, EF 100mm f/2.8 (One each)</p> <p>Flash Gun:-</p> <ul style="list-style-type: none"> ❖ High Power ❖ Digital TTL metering, slave- synchro system ❖ Power zoom Flash head automatically range from 24mm to 105mm ❖ Angle of rotation – 360” ❖ White angle diffuser and catch light reflector to soften the flash light on the subject from a short distance ❖ Guide No. 58 meters. ❖ Four AA – size alkaline ❖ Flash exposure control – available ❖ Manual Zoom/Tilt and Survival Reflector is available. <p>Tripod:-</p> <ul style="list-style-type: none"> ❖ Closed length – 57.0cm ❖ Minimum height – 8.5 cm ❖ Maximum height (with centre column down) 122.0 cm ❖ Weight 4.15kg ❖ Load capacity – 12kg ❖ Colour – Black ❖ Carbon fibre tubing + magnesium castings. <p>Filters:- Ultra Violet filter (As per camera lens), Graduated Blue B2 (One each)</p> <p>Camera & Accessory bag:- Weatherproof, Dust Proof & Water Proof</p> <p>Flash card:-</p> <ul style="list-style-type: none"> ❖ Speed – 266x ❖ Read Speed – 45MB/sec ❖ Write Speed – 40MB/sec ❖ Capacity – 8GB to 16GB <p>Multiple card reader:- All types of card reader</p>	1 set

<p>2.</p>	<p>Digital Video Camera:-</p> <ul style="list-style-type: none"> ❖ 1920 x 1080i Full High Definition Recording ❖ 240 GB Hard Disk Drive (High Definition Video Recording) ❖ SD Recording Format MPEG-2 ❖ 12Mega Pixels (4000 x 3000 pixels/4.3) ❖ Face detection (video/ Photo) ❖ 1/ 2.9 Clear Vid CMOS sensor ❖ Enhanced Imaging Processor ❖ D – Range Optimizer ❖ 12x Optical (150x Digital) Zoom ❖ Movie Recording on Memory Stick ❖ x.v. Colour ❖ Media Storage – Mini DV / HDV tape ❖ Image Stabilizer ❖ 3.2” LCD (Wide 16:9) Xtra fine LCD with touch panel ❖ Super Night Shot ❖ Auto back light correction/Night shot mode/Zoom mic/Audio format (Digital Dolby 5.1 creator (5.1inch) ❖ Intelligent Flash ❖ 1920 x 1080i Full High Definition Recording ❖ 240 GB Hard Disk Drive (High Definition Video Recording) ❖ SD Recording Format MPEG-2 ❖ 12Mega Pixels (4000 x 3000 pixels/4.3) ❖ Face detection (video/ Photo) ❖ 1/ 2.9 Clear Vid CMOS sensor ❖ Enhanced Imaging Processor ❖ D – Range Optimizer ❖ 12x Optical (150x Digital) Zoom ❖ Movie Recording on Memory Stick ❖ x.v. Colour ❖ Media Storage – Mini DV / HDV tape ❖ Image Stabilizer ❖ 3.2” LCD (Wide 16:9) Xtra fine LCD with touch panel ❖ Super Night Shot ❖ Auto back light correction/Night shot mode/Zoom mic/Audio format (Digital Dolby 5.1 creator (5.1inch) ❖ Intelligent Flash 	<p>1 No.</p>
<p>3.</p>	<p>UPS (5 KVA):-</p>	<p>----</p>
	<p>a) 5 KVA with 2 hours battery backup.</p>	<p>1 No.</p>
	<p>b) UPS – 5 KVA:-</p> <p>System: Single phase in/out online system with isolation transformer; with supply capacity of 5 KVA; Cold start – Startup without mains; Backup Time (Full load) Minimum 2 hour or more (Run time at half load to be specified). Communication Part – RS 232; Maximum Battery Charging Current < 4.5 Amp; with Sealed Maintenance Free (SMF) types of Battery; with Monitoring software on Windows operating system, Even logging: The UPS should be capable of logging and storing abnormal events for analysis and zero change over time.</p> <p>Input parameters: Configuration Single phase & Neutral; Nominal Voltage 220 Vac; To handle input Voltage range 160 V to 270 V; Frequency range- Hz 47 to 54 Hz; High input Power Factor >0.9 at full load and nominal input voltage on resistive load; Current Distortion (1-THD) Total harmonic distortion <2%</p>	<p>2 No.</p>
<p>Contd./05</p>		

	<p>Contd./04</p> <p>Output parameters: Configuration Single Phase & Neutral; Power Factor correction 0.7; Nominal Voltage selection 220 / 230 / 240 Vac (adjustable); Output Voltage Regulation $\pm 1\%$; Voltage THD (Total Harmonic Distortion) $<2\%$ under Linear Load, $<6\%$ under Non Linear Load; Frequency 50 Hz; Frequency Regulation ± 0.05 Hz; Crest Factor 3:1 max; External battery voltage 240V DC; Transfer Time – Mains to battery < 1.0 milli sec; Output waveform-True sine wave; Voltage between Neutral and ground <1 volt; Efficiency $>90\%$; Out over load capacity 125-130% up to at least 10 minutes, 150% up to at least few seconds.</p> <p>Output on LCD Display: Input voltage, output voltage, Battery voltage, output frequency, % load power and battery balance autonomy.</p> <p>Protection: Input over/under voltage, Output over/under voltage, Battery over/under charge or deep discharge, low battery, Output overload/short circuit, Over temperature, Against Lightening and over voltage transients; Manual By-pass switch for protection Required. Audible warning alarms; Battery low alarm – Required; Overall efficiency of UPS – Required; Over load handling capacity/ Surge current Capacity – Required.</p> <p>Operating Environment: Noise (within 1 meter) < 50db; Temperature Up to 45°C; humidity up to 95%. Ups unit and Battery bank units to be provided with castor wheels for easy maneuverability and movement. Additional switch gear to be supplied: Input MCB, output MCB or RCCB; Battery breaker.</p> <p>** Installation at on site with accessories and warranty for 03 years or more. Qualifying standards of UPS to be mentioned with certification.</p>	
4.	CVT - 5 KVA with standard specification and accessories.	4 No.
B)	IFS Project Fund:-	---
1.	<p>Video Camera:- 1920*1080i full HD Recording, 120/240 GB HDD Full HD Handycam, $\frac{1}{2}$.88 Exmor R CMOS Sensor, Bionz Image processor, 12.0 Mega still photography, High Quality Glass Lens (Sony / Canon or equivalent standard), optical steady shot (Active mode), Movie Recording of HDD and memory stick (Hybrid), 12X Optical (150X Digital Zoom), Intelligent flash, Face Detection, smile shutter, Night shot mode.</p>	1 No.
2.	<p>Refrigerator/Fridge:-</p> <p>a) 484 - 500 Liter capacity, Double door, Frost Free, Temp. -10°C, 230 - 250 V with 0.5 – 1.0 KVA stabilizer</p> <p>b) 292 - 310 Liter capacity, Double door, Frost Free, Temp. -10°C, 230 - 250 V with 0.5 KVA stabilizer.</p>	1 No.

Administrative Officer

Note: All complete documents are also available at our website - www.icarrcer.org.