

INDIAN INSTITUTE OF PULSES RESEARCH

KALYANPUR, KANPUR – 208 024

Fax : 091-512-572582 Phone : 2570 146 {EPABX Exchange} 2572464, 2572465 Ext. 212

Tender Form

Tender No. 1/2011/IIPR

From

.....
.....
.....

To,

Director,
Indian Institute of Pulses Research,
Kalyanpur, Kanpur 208024

Dear Sir,

I/We, hereby offer to supply the stores detailed in the schedule hereto or such portion thereof as you may specify in the Acceptance of Tender at the price given in the said schedule and agree to hold this offer upon tillI/We shall be bound by a communication of acceptance dispatched within the prescribed time.

I/ We have understood the instructions to Tenderers and conditions of contract included in the General Conditions of Contracts governing contracts placed by the Indian Council of Agricultural Research Institute under in and in the special conditions of contract and have thoroughly examined the specifications drawing and/or pattern quoted in the schedule thereto and am/are fully aware of the nature of stores required and my/ our offer is to supply's strictly in accordance with the requirement.

I/we have deposited a sum of Rs.....(Rupees..... only) in cash with your cashier vide receipt No.....Dt..... or Rupees.....only) vide DD/Bankers cheque No..... Dt..... in favour of ICAR Unit, IIPR, Kanpur is enclosed as Earnest Money.

The following pages have been added to and form part of this tender.

1.
2.
3.
4.

Yours faithfully,

Signature of Tenderer

INDIAN INSTITUTE OF PULSES RESEARCH (I.C.A.R.)
KALYANPUR, KANPUR – 208 024, (U.P.), INDIA

OPEN TENDER NOTICE

Tender Notice No. 1/2011/IIPR: The Director, Indian Institute of Pulses Research, Kalyanpur, Kanpur (U.P.), India, on behalf of Secretary, Indian Council of Agricultural Research, New Delhi; invites sealed tender for the purchase of equipments/instruments from the reputed firms/authorized dealers/ Foreign firms/Manufacturers. The details of equipments/instruments, EMD to be deposited and cost of tender against each item is given below :

(In Rs.)				
S.No.	Name of equipments/instruments	Qty.	EMD	Cost of tender form (Non-refundable)
1.	Western Blotting System	1 no.	20,000/-	500/-
2.	Orbital Shaker	1 no.	8,000/-	300/-
3	Seed Density Meter (Seed Analyzer)	1 no.	20,000/-	500/-
4.	Canopy Analyzer	1 no.	10,000/-	300/-

Terms & Conditions :

1. Tender form for each item can be obtained from the Office of Administrative Officer (Stores), IIPR, Kalyanpur, Kanpur (U.P.), India between 10.00 AM to 3.30 PM on all working days on payment indicated against each item . The tender form can also be obtained by post by making an additional payment of Rs. 75/- in addition to the indicated cost of tender form. The DD may be sent in favour of “ICAR Unit IIPR”, SBI, Kalyanpur, Kanpur for sending the tenders by post.
2. The detailed technical specifications of equipments/instruments & others terms & conditions will be supplied alongwith tender form.
3. **“Technical Bid”, “Price Bid” and E.M.D. with terms & conditions should be submitted separately in separate sealed envelopes, superscribed accordingly in Bold Letter. Those three envelopes be submitted within a common bigger envelope. The sealed envelopes and common bigger envelope should superscribed “Tender for supply of (Item No.....) to be opened on”, if the technical bid and the price bid are merged together, the tender will not be considered and will also not be included in the comparative chart.**

The envelope of EMD will be opened at first. Thereafter technical bid will be opened. The price bids only of those firms will be opened who qualify in technical bids.

4. No supplier/firm, who is registered with DGS&D & NSIC etc. is exempted for paying of Bid Security (EMD). The performance security in the form of Demand draft or Bank guarantee or FDR will also be obtained from those firms who are registered with DGS&D.
5. Indian Agent/Authorized distributors/dealers may also submit tenders on behalf of their principals abroad. This Authorization of the principal may be enclosed with the tenders.

6. Conditional/Telegraphic/Incomplete tenders will not be accepted.
7. The validity of tenders should be 180 days from the date of opening of the tenders.
8. The tenderers will be bound by the departmental rules & instructions.
9. The quantity is always subject to change and the competent authority has the absolute right to accept or reject any or all tender(s) in part or full without assigning any reason thereof.
10. Tender can also be sent by post but this will be at the risk and responsibility of the tenderers themselves. No responsibility whatsoever will be accepted with regard to postal delay or for wrong delivery of tenders sent by post.
11. Late tender received after the specified date and time will not be considered.
12. Tender notice & Tender Document can be seen on the Institute's website No. www.iipr.res.in from where it can be down loaded and used as tender document.
13. Tender shall be accompanied by required earned money and tender cost in the form demand draft of any scheduled Bank of India duly pledged in the name of "ICAR Unit, IIPR", Kanpur
14. L/C will be opened on 100% value. But 80% of the payment of L/C will be made on the despatch of the consignment by the consignee and balance 20% payment will be made of the installation of the equipment. No condition of the offering firms will be considered for 100% payment on despatch of the consignment.
15. Instructions regarding issue of tender and submitting of the offer can be seen in the tender document.

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Last Date for receipt of Tenders	: Upto 1:00 P.M. on 01/3/2011
Date of opening the Tenders	: On 1/3/2011 at 2:30 P.M.

Sd/-

Administrative Officer

Annexure-I

OTHER TERMS & CONDITIONS :

1. The Indian Agent, if registered under DGS&D as foreign supplier should supply a copy of the registration.
2. The Indian agent/dealer/firm should ensure that after installation of equipment, they shall render after sales service for a period of 10 years and the parts of the equipments so quoted would be available.
3. Principal should ensure that in case the Indian agent is changed by them the condition as given in their tender will remain unchanged
4. The bids should show separately the AMC of the equipment for a minimum period of 5 years so that the total cost of the equipment after including AMC charges of 5 years could be ascertained. The institute will take due consideration of the cost of AMC while finalizing the case.
5. The price in foreign currency as well as in rupee payment as FOB and CIF basis both may be quoted to facilitate to decide the bid also.
6. The principal should ensure that in case, the Indian agent is changed, they would take guarantee for the repair of the machine, either directly or from their agent in case the machine goes out of order.
7. Guaranty/warranty of the machine may be indicated clearly. Guaranty/warranty may be given after installation of the equipment. It should be minimum one year from the date of installation not from the date of dispatch.
8. Agency commission @2.5% would be paid in rupee to the Indian agent. Hence, agency commission payable to the Indian agent may be shown separately in the offer.
9. A detailed list of Clients/Users, where the quoted machine was installed in India, may be supplied alongwith the Technical Bid. Without Clients/Users list of the quoted product, the tender may not be considered by the Institute.
10. Detailed Catalogue/leaflet may be attached alongwith the technical bid. **Without a proper printed brochure/catalogue/leaflet and supporting documents to ascertain the quality of the product, the bid may not be considered.**
11. Supersession of any material information will be a disqualification. The defaulter firm would be liable for damage or any other action as deemed fit.
12. No supplier/firm, who is registered with DGS&D & NSIC etc. Is exempted for paying of bid security (EMD). The performance security in the form of cash deposit, demand draft or bank guarantee will also be obtained from those firms who are registered with DGS&D.
13. 10% performance security will have to be deposited by the successful tenderer. Performance security may be furnished in the form of an account payee demand draft or fixed deposit or bank guarantee in favour of "ICAR unit IIPR" Kanpur from a nationalised bank.
14. This Institute is entitled for availing of customs duty exemption in full. Hence, price may be quoted accordingly.
15. **Mode of purchase in case of imported equipments/instruments will be by opening of L/C only.**
16. Quantity can be increased and decreased at the time of placing orders.
17. The consignment will be sent from the Abroad through our console by the firm to whom the order has been placed.

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Sd/-
Administrative Officer



भारतीय दलहन अनुसंधान संस्थान कल्यानपुर, कानपुर

FAX : 091-512-572582 PHONE : 2570 146 {EPABX EXCHANGE} 2572464, 2572465
EXT. 212

संख्या : 1-23/07-08/एस.टी

दिनांक:

सेवा में,

मेसर्स टाईम्स एडवर्टाइजिंग सर्विस,
मकान नं० 27/60 बिरहाना रोड,
कानपुर- 208 001

विषय: समाचार पत्रों में निविदा छापने के सम्बन्ध में।

महोदय,

संस्थान की निविदा संख्या 1/2011/आई.आई.पी.आर को निम्नलिखित समाचार पत्र में अविलम्ब प्रकाशन हेतु संलग्न है। प्रकाशन कम से कम क्षेत्रफल में होना चाहिए। प्रकाशन का बीजक डी.ए.वी.पी दर से समाचार पत्र में छपे हुए प्रकाशन के साथ प्रस्तुत करें।

समाचार पत्र के नाम:

1. टाईम्स आफ इण्डिया, दिल्ली (अंग्रेजी)
2. दैनिक जागरण, कानपुर (हिन्दी)
3. हिन्दुस्तान टाईम्स, लखनऊ (अंग्रेजी)।

भवदीय

प्रशासनिक अधिकारी

संलग्नक: निविदा सूचना

प्रतिलिपि:

1. वित्त एवं लेखाधिकारी, भ.द.अ.सं., कानपुर।
2. आहरण एवं वितरण अधिकारी, भ.द.अ.सं., कानपुर।
3. प्रभारी कम्प्यूटर, कृपया संस्थान के वेबसाइट में देने की कृपा करें।

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F.no. : 1-95/10-11/ST

Item No. 2

Orbital Shaker

Qty: 1 No.

Specification:

One number of orbital shaker with following specification is required for staining and visualizing the separated AFLP and SSR samples on large PAGE gels by silver staining technique

- Shaker dimension should be approximately 68 x 61 x 16 cm (length x width x thickness)
- Should bear flat shaking platform with size ranging from 55-60 cm (length) x 40-50 cm (width), so as to compatible for gel staining tray size of 60 x 40 cm.
- Should be able to bear minimum load of up to 30 kg for shaking
- It should be preferentially of orbital type of shake with shaking speed ranging from 15 to 300 rpm
- Should have orbital stroke ranging from 2.5 to 3 cm with possibility to change direction of rotation
- Should have manual, Programmable and continual mode of operation
- Programmable control should have graphic LCD display with backlight feature for better visibility
- Should be easy for defining time of start, stop and even restart after power failure with graphic display
- Should work properly at ambient temp 5-50°C, relative humidity 85%
- Should operate at minimum input voltage of 230 V, 50 Hz
- One year on-site warranty should be provided for the shaker

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F.no. : 1-96/10-11/ST

Item No. 1

Western Blotting System & Accessories

Qty: 1 No.

One complete set of western blotting system and accessories with following specification is required for gene expression, protein profiling and western study.

2D ELECTROPHORESIS SYSTEM

Specification:

[1] 1st DIMENTION SYSTEM WITH INTERNATIONAL SAFETY CERTIFICATION

- IEF unit with compatible accessories (running manifold, rehydration tray, cleaning brush, forceps and running cups).
- Run slots: minimum six sample with loading capacity from 7-28 cm
- Power specification: (5000-10,000V, 0.1-10mA, 10-20W)
- Opening temperature: 10-40 degree celcius
- It should provide real time graphical result display system of individual IPG strips
- Resolution of 1µA and cooling capacity peltier chips
- It should have output ports for data transferring
- Simple support multiple for data/programs store/editing

[2] 2nd DIMENTION/BLOTTING APPARATUS

(a) One number

- The system should capable of performing both electrophoresis (SDS-APGE) as well as electrotransfer in single unit
- Gel size between 10x10.5cm (WxH)
- Gel thickness ranging from 0.75-1.5mm
- Transfer at least 2 gel simultaneously
- Transferring buffer should be minimum
- It should support both precast and manually made gels electrophoresis system.
- Glass plate should be crack resistant for overheating and rough handling
- Power supply unit with digital display
- Required power supply with output range of 1000v, 500mA and 100W
- One year on-site warranty on supplied unit

(b) Two number

Electrophoresis unit for Protein-DNA interaction

- Gel size between 15x20 cm and 15x10 cm (WxH)
- It should be supplied with all the compatible accessories
- Unit should be provided with 3 pair of each combs having 1.5 to 3.0 mm thickness
- It should be compatible for running the sample at temperature range 4-45°C
- Glass plate should be crack resistant for overheating and rough handling
- The unit should be suitable for running at voltage 300-1000V with maximum limit of 500mA and 50W current.

[3] HYBRIDIZATION OVEN

Temperature controlled oven containing a rotisserie and shaker platform for hybridization and gel processing/staining with following specification

- The rotary wheel should hold minimum of six tubes at one time
- Temperature range-0 to 100 degree celcius with digital display system
- Rotation speed range 2-20rpm
- Shaker speed 5-100 oscillation/min
- Heating element-1000-1200 watts
- Bottle capacity-240x75 mm
- The internal construction materials should be made up of stainless steel

[4] ESSENTIALS ACCESSORIES

- Glass plates 1-x10.5cm (two pair)
- Glass plates 10x10.5 (two pair each)
- Rehydration tray (one)
- Running tray (one)
- Cleaning brush (three)
- Running cups (five set)
- Spacers 0.75mm, 0.1mm, 1.5mm and 3mm (Ten pair each)
- Combes 0.7mm, 1mm, 1.5mm thick (five pair each)
- IPG strips (50 number)
- Nylon membrane (.22μm)

CONDITIONS

- The system should have a comprehensive on site warranty for a period of one year from date of installation
- All the important accessories required for demonstration should be provided along with the instrument.
- There should be proper installation of the system and short term wet lab training in national institute regarding functioning of the system.
- The whole system should be supported with 5 KVA UPS (Tata libert) with one hour battery backup. UPS should bear a warranty of two year.
- Dell computer with genuine operation system of recommended configuration should be provided along with the system to store and analyse the images.
- No optional offer should be quoted.

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F.no. : 1-94/10-11/ST

Item No. 3

Seed Density Meter (Seed Analyzer)

Qty: 1 No.

Specification

Seed density meter capable of measuring nondestructively the physical (i.e. Seed density, weight, moisture, volume, color, brightness, and hardness) and chemical (protein, starch, sugar, oil, fibers, fats, chlorophyll and other pigments) properties of whole seed based on Near Infra Red Spectroscopy. The estimation should be reliable and fast to cover large number of samples.

1. Very Fast Measurement time- within 12-25 Sec
2. One Operation Key
3. Standard Calibrations available
4. Rotating Cup with electronic Drive Mechanism
5. Easy to fill
6. Powerful Software for Routine Analysis and Calibration
7. High Signal to Noise Ratio > 10,000:1

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F.no. : 1-59/08-09/ST/

Item No. 4

Plant canopy analyser

Qty: 1 No.

Specification:

The complete Plant Canopy analyzer system with packages of scan items including Scan probe, Data softwares, PDA, Sunshine sensor, tripod and carrying case. Light weight, Battery operated, field portable instrument for instantly measurement of Leaf Area Index (LAI) under any weather condition bright or diffuse cloudy days, PAR interception using either spot readings or unattended logging, measures sunflecks and other related parameters. Non Imaging PAR (Light Interception) base instrument having digital display. The Instrument should be able to display the data in the field without any further analysis. Separate Display unit with cable attached with the PAR Probe for easy operation and viewing of data in the field.

1 meter long measuring probe or better, Display should be Sunlight readable, Memory: ≥ 100 MB;
Spectral Range: 400-700 nm; Measuring Time: 120ms; Resolution: $0.3 \mu\text{mol.m}^{-2}.\text{s}^{-1}$
Power: Rechargeable Battery with charger, 12h continuous use. Option to use the instrument using car battery with similar power rating. Instrument should be supplied with instructions manual, Data Downloading Cable and softwares, Carrying Case.

Scan probe:

Scan Probe	
Active area	Atleast 1m x 13mm wide, sensor spacing 15.6mm and or more
Spectral response	400-700 nm (PAR)
Measurement time	120 ms
Maximum reading	2500 $\mu\text{mol.m}^{-2}.\text{s}^{-1}$
Resolution	0.3 $\mu\text{mol.m}^{-2}.\text{s}^{-1}$
Linearity	Better than 1%
Accuracy	$\pm 10\%$
Analogue output	1 mV per $\mu\text{mol.m}^{-2}.\text{s}^{-1}$
Serial interface	RS232, 9 pin female 'D' connector
Environmental	0-60° C working temp
Power	4XAA Alkaline cells (lifetime up to 1 year)
Size and weight	Compact and light weight

Sun Shine sensor

Sunshine sensor with user manual, Telescopic Tripod, connecting cable for sunshine sensor to connect with PDA and datalogger of automatic weather station

Sun Shine sensor	
Output sensitivity total & diffuse	1 mV / $\mu\text{mol.m}^{-2}.\text{s}^{-1}$ PAR cosine corrected
Accuracy	Total $\pm 12\%$; Diffuse $\pm 15\%$
Temperature range	-20 to +50°C with alkaline batteries
Range	0-2500 $\mu\text{mol.m}^{-2}.\text{s}^{-1}$ (total & diffuse)
Spectral response	PAR (400-700 nm)
Power	4 x AA Alkaline cells (lifetime up to 1 year)
Input voltage	5-15V DC (powered from scan probe)
Size & Weight	Light weight and compact

Data analysis and storage (PDA)

The device which collects and analyses readings from the Scan Probe. Raw readings, and derived functions such as LAI, can be displayed, reviewed and stored in the field by the Data Software. Reading should be stored in the internal memory which holds >1 million readings, or in widely available Compact Flash cards which provide removable data storage. Collected data should be transferred easily to a PC using supplied softwares. Direct and diffused incident light, canopy leaf area index, leaf PAR absorption, Solar zenith angle, Canopy leaf angle distribution, transmitted fraction.

PDA	
Screen	¼ VGA sunlight readable
Operating system	Windows XP/Vista/Windows 7/Windows Mobile 6
Display options	a) LAI; b) PAR average; c) All individual sensor readings
Environmental	-30°C to 60°C, 1.2m drop test
Power	Rechargeable battery, 12h continuous use
Memory	>100 MB
Size & Weight	Compact and light weight

Main Components

Scan Probe including alkaline batteries and user manual (technical manual on CD).

Data Software device (PDA) which displays reading and store data with rechargeable battery, comms cable and carrying case.

Sunshine Sensor including user manual with cables to connect PDA and data logger.

Telescopic Tripod for mounting sunshine sensor

Carrying Case for scan Probe and accessories