



BIRSA AGRICULTURAL UNIVERSITY

KANKE, RANCHI- 834006, JHARKHAND, INDIA

Ref.: 1118

Date: ...9.3.09....

SHORT TENDER NOTICE

Closing date : 23.03.2009 (1.00 P.M)
Opening of tender : 23.03.2009 (2.00 P.M)

Sealed tenders are invited from Manufacturers and Authorized Distributor/ Authorised Dealers/ Authorised Importers for purchase of Equipments and other items i.e. HPTLC Spray, Complete MTS System, Voltage Stabilizer, Centrifuge with accessories, Protein Spot Picker Instrument and back up UPS, Table Top Centrifuge (Refrigerated), Ultra Sonicator.

Tender documents available from Purchase Officer on or before 22.03.2009 on payment of Rs. 500/- only through Bank Draft in favour of Comptroller, Birsa Agricultural University, Kanke, Ranchi. It can be downloaded from website www.baujharkhand.org. However, tender documents downloaded from website will be valid only if accompanied by Demand Draft.

Sd/-
(PURCHASE OFFICER)

1. **Advertisement Manager-** The Hindustan, All Editions Jharkhand (Hindi), Economic Times all Editions (English). The firm is requested to publish the short Tender Notice in daily newspaper in one issue on or before 11.03.2009.

for 9/3/09
(PURCHASE OFFICER)

[Signature]
9-3-09

NAME OF THE IMPLEMENTS/EQUIPMENTS FOR TENDER

Sl. No.	Equipments	Specification
1	HPTLC Spray	Sarstedt AG & Co. (Germany) Desaga Sprayer SG 1, incl. accu and charging unit. The Sprayer SG 1 works with a built in, quietly operating high performance pump. Independent of mains ultrafine spray mist is generated. Liquids with viscosities up to those of light oils are atomized simply by pressing a button. The droplet diameter is 5-10 μ m. The closable container for the spray reagents is made of borosilicate glass and will hold 50 ml. It is screwed into the spray head which is made out of high quality PTFE and can be replaced within seconds. The handy and modern form of the sprayer SG 1 was designed under ergonomical aspects, its low weight enables a non stress operation. Reagent Reservoir, 50ml, 10 pieces per set.
2	Servo Controlled Voltage Stabilizer	10 KVA, Single Phase, Air Cooled, Input : 175-260 AC, Output : 230 VA.C. \pm 1%.
3	Centrifuge with all accessory	Table top centrifuge for high volume applications. Ability to spin 15ml and 50ml falcon tubes at 12000 rpm with fixed angle rotor. Microtiter plate bucket for spinning up to 16 MTP. The MTP bucket should fit in the swing out rotor for easy changeover with out the need for changing over the rotor The fixed angle and swing out rotor should accommodate both round bottom tubes as falcon tubes. Adaptors should be available from 1.5 ml tubes to 250 ml bottles in the swing out rotor.
4	Protein Spot Picker Instrument with all the accessories and suitable back up UPS.	Should automatically pick selected protein sorts from stained or distained gels with high efficiency, should be designed to be used with the backed and unbaked gels, compatible with the common detection systems and scanners, should have seamless integration with 2-D differential analysis software, should be able to pick and transfer the protein spots from 2-D gels to the microplate wells, should generate the list of proten spots to be picked by use of software, should be able to transfer, wash and generate a log of the picked spots, should have

		picker heads of various dimensions, must have a protective hood, must be able to pick minimum of 9000 protein spots from the pick list, should be able to process at least 90 samples in less than 30 minutes, should be silver, coomassie, fluorescence dye compatible, operating range 18-25 ^o c.
5	Table top centrifuge (Refrigerated)	Touch Button Controls, Maintenance free Brush less motor, Imbalance Switch off, CFC free Refrigeration System, Automatic lid lock, 230 V, 50-60HZ, Microprocessor, Controlled Temp. Range -10 ^o to +40 ^o . Digital display for speed, RCF, Running Time and Temp. Speed range 250 to 15000 rpm, capacity 6 or 12x1.5 ml. tubes and 12x0.5ml. tubes, for 50ml tubes.
6	Ultra Sonicator	Variable Power adjustment from 20-100%, Adjustable sonicator time from 0.25-1.0 (steady state), Automatic frequency adjustment, power rang 50-400 watt, 230 V/ 50Hz.
7	Complete MTS System Medium Term Storage:	Size of module: 15' x 36' Approx
		Height of the chamber approx 8' (Exterior) Providing & fixing of medium terms storage system made from prefabricated 60-80 mm puff insulated panels made of pre painted fire retardant sheets. Floor is made from antiskid G.I. Door is made of same material with one glass window. Provided with thermal curtain on the entry of the each door. All the parameters maintained as per the norms of international standards with digital display of both the parameter. Proper lighting arrangement in the chamber. Humidity is controlled at required level by desiccant type silica based rotors system which can be regenerated through heaters through automatic reactivation. Refrigeration system is Designed for optimum performance and long life, with hermetically sealed compressors. Evaporator

	<p>wall/ ceiling mounted. With HP/LP cutouts, Units are pre-charged with refrigeration gas.</p> <p>Racks are made of powder coated steel sheet material and is provided in three sides as well as in the middle.</p> <p>Size of side racks: 42" x 15" x 75" (WDH) provided on the side walls. Size of middle racks: 42" x 30" x 75" (WDH) 10 nos.</p> <p>Seed Dryer:</p> <p>Size of : 15' x 10' Approx. Height of the chamber approx 8' (Exterior)</p> <p>Made from prefabricated 60-80 mm puff insulated panels made of pre painted fire retardant sheets. Door is made of same material with one glass window. Provided with thermal curtain on the entry of the each door. All the parameters maintained as per the norms of international standards with digital display of both the parameter. Proper lighting arrangement in the chamber. Humidity is controlled at required level by desiccant type silica based rotors system which can be regenerated through heaters through automatic reactivation. Refrigeration system is Designed for optimum performance and long life, with hermetically sealed compressors. Evaporator wall/ ceiling mounted. With HP/LP cutouts, units are pre-charged with refrigeration gas.</p> <p>Racks are made of powder coated steel sheet material and is provided in three sides as well as in the middle.</p>
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Size of side racks: 42" x 15" x 75" (WDH) provided on the side walls.
Size of middle racks: 42" x 30" x 75" (WDH) 4 nos.

Packing Room:

Size of : 15' x 8' Approx.
Height of the chamber approx 8' (Interior).

Made from prefabricated 60 puff insulated panels made of pre painted fire retardant sheets. Door is made of same material with one glass window. With L shaped Table-4 nos. of 4' wide for packing seed material.

Weighing Balance:

One balance of 520 gms cap. With 1 mg accuracy.
One balance of 5000 gms cap. With 1 gm accuracy.

Vacuum packaging Machine: 1 No.
Microprocessor, parallel sealing.
Chamber & body made of stainless steel.
Lid opening automatic.
Programmable vacuum/ gas level.

Size of chamber 420 x 420 x 180 mm (Approx).
3.5 mm sealing width with double seal.
With 21m³/h vacuum pump.

Trolley: 4 Nos

Size of tray: 2' x 1.5'
No. of trays: 2 Nos.
Tray made of stainless steel
Frame made of powder coated angle iron
Mounted on Wheels.
500 nos. plastic basket.

Terms & Conditions:

1. Tender must be submitted in two sealed envelopes for each item separately, technical bid with all supporting specifications and documents including EMI and 2nd envelop containing financial bid quoting prices inclusive of all taxes.
2. Tender must be sent in a sealed envelop with Tender Written on it in capital letters. The last date of submission must be mentioned on the envelop.
3. Tenders received after the due date and time will not be considered and are liable to be rejected without assigning any reason.
4. In case of more than one items for which quotations have been given a list of items duly signed shall be enclosed alongwith documents (Abstract of quoted equipments).
5. The Central Purchase Committee reserves the right to reject any of all the tenders without assigning any reason.
6. The rate should be inclusive of all taxes as mentioned in Serial No. 1.
7. The rates will remain operative for six months from the date of placing supply order.
8. While quoting the rate, please be sure to mention your sale tax (C.S.T./ J.S.T./ V.A.T.) Registration Number.
9. Any cutting and over writing in the tender paper should be attested and price may be quoted separately for each items otherwise it shall not be entertained.
10. No tender will be accepted without printed catalogue and complete literate with brand of concerned reputed firm.
11. The earnest money @ 2% of the total quoted value in shape of BD/ NSC in favor of Purchase Officer. Birsa Agricultural University, Ranchi only will have to be deposited alongwith the tender by the suppliers except M.T.S. System in which earnest money will be Rs. 50,000 (Rupees fifty thousands) only. Tenders received without earnest money will not be considered and are liable to be rejected without assigning any reason.
12. The security money @ 5% of the quoted value in shape of BD/NSC will have to be deposited by the supplier whose tender will be accepted.
13. Security money shall be forfeited if ordered items/ materials are not supplied in scheduled time and as per specification.

14. Payment will be released after supply of order items successfully.
15. Guarantee period must be mentioned for each item.
16. Place of delivery, FOR – Destination.
17. Time of delivery – 30 days after receiving supply order.
18. The sealed tender should be sent to Chairman, C.P.C., Birsa Agricultural University, Kanke, Ranchi – 834006, Jharkhand by Registered Post/ Speed Post/ Registered Courier only. No tender delivered by hand will be accepted.
19. A letter of authorization of dealership of the firm/ Manufacture must be enclosed with the documents.
20. The Court of Ranchi, Jharkhand State only will have the jurisdiction to deal with and decide any legal matter of depute what so ever arising or of in dispute of the control.
21. Name of the manufacturer, manufacturing the equipment with full address may please be mentioned.
22. In case of unforeseen circumstances the tender will be opened on the next working day.
23. In addition to above, Terms and Conditions in respect to complete MTS System are as follows:
 - Please quote on turnkey basis.
 - Quotation has to be submitted in two bid system i.e. Technical and Financial bid.
 - The bidders who will be preliminary qualified for the technical bid, will only be eligible for financial bid opening.
 - Bidders must have an annual turnover of at least 1.0 crore in any one of the last five financial years.
 - Bidder must have the experience in this field.

I have read the terms and conditions of the tender, as given above, very carefully and shall all abide by the same

Signature of the Tender with Stamp