



भारतीय सब्जी अनुसंधान संस्थान
INDIAN INSTITUTE OF VEGETABLE RESEARCH
पो० बैग नं० ०१.पो० आ० जखिनी. (भांड़ गहपुर)
P.B.No.01, P.O. JAKHINI (SHAHANSHAHPUR)
वाराणसी – 221305
VARANASI - 221305

No.3-418/2009-10/Adm.I

Dated: 01.01.2010

INVITATION OF QUOTATIONS FOR CONSTRUCTION OF GREEN HOUSE**Last date for receiving quotation 19. 01.2010 by 02.00 p.m.**

On behalf of the Director, IIVR, I am to invite lowest rates from the agencies /firms for the construction of Green House at IIVR Varanasi .

Item No.	Name of Equipment	Qty.	Specification
1.	Green House	One	<p>Size: 25 m x 10m x 5m x3</p> <p>Design:</p> <p>A -Civil work: Class I Brick wall 23 cm with 60 cm with 60cm showcam off white colour . One meter wide path with around the Poly House duly plastered.</p> <p>B- Structure: Galvanized Sq pipe 47x47mm, 38x38mm,B class ISI make. Main trusses made of Galvanized Sq pipe 47x47mm Rotor 32x 32 mm</p> <p>C- Covering :Top covering with UV stabilized 8mm thick triple wall polycarbonate sheets dully sealant with 30 cm projection on both sides. Sides covering with 40 mesh insect proof SS jail to be fixed with anodised aluminium section.</p> <p>Door: 2mx 1.2 m covered with stabilized 8 mm thick triple walled polycarbonate sheet with locking system.</p> <p>Top ventilation: Ventilation of 2 with & 1-1/2 above on top with mechanically Gear system to be provided in Green House</p> <p>Misting system: Connect of micro sprinkler misting Nozels imported quality to be fixed in LLDPE pipe 16 mm dia Monoblock pump 2 HP and digital timer .Construction of underground brick and cement tank with capacity of 1000 liter and covered with RCC stab.</p>

Terms & condition

1. Before start of work ,materials should be got approved by the Chairman ,Works Committee of this Institute.
2. Rates to be offered shall include the cost of all materials ,labour charges ,sale tax ,Octroi on purchase price ,all central and local taxes as existing or as may be imposed in future.
3. The validity of the quotation should be kept as (ninety) days from the date of opening of quotation

4. The work shall have to be started within 05(five) days from the date of award of work order and is to be completed within 30 days from the date of issue of work order.
5. Rates to be quoted in figures and words. In case of difference between figures and words, the Lowest rate will be considered.
6. The rate quoted by contractors and accepted by the Competent Authority of IIVR Varanasi will remain firm till the completion of the work and nothing extra will be admissible for fluctuation of market rate.
7. Income tax , Trade tax and other taxes as applicable will be covered from the gross value of the bill and will be remitted to concerned authority.
8. IIVR,Varanasi will not be responsible for any loss or damage and theft to contractors materials ,equipments tolls& plans etc. at site.
9. The site of work may be inspected before submission of quotation.
10. If the contractors fails to complete the work within the stipulated period or gives slow progress in completion of work ,the Director ,IIVR Varanasi may terminate the contract and get the work executed thereafter with another Agency at the cost of the contractor.
11. The contractors will use materials as specification mentioned in bill of quantity/dully approved by the work committee of this institute.
12. Accepting authority does not bind him self to accept the Lowest quotation and reserves right to reject any or all of the quotation received without assigning any reasons thereof.
13. Any dispute arising in the contract will be referred to Director, IIVR ,Varanasi and his decision in the matter will be accepted to the contractor.
14. Payment of the contractor will be made after satisfactory completion of the work .

Your closed and sealed quotation addressed to the Director of the institute should reach to the office of the Director ,IIVR , Varanasi by 02.00 p.m. on 19.01.2010.

Your fathfully

ASSTT.ADM.OFFICER



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No .1-57/2009-10/Adm.III

Date:01.01.2010

INVITATION OF QUOTATIONS FOR SUPPLY OF EQUIPMENTS**Last date for receiving quotation 18.01.2010 by 02.00 p.m.**

On behalf of the Director, IIVR, I am to invite lowest rates from the manufacturers and suppliers for the supply of under mentioned equipments for our consideration/ purchase:-

Item No.	Name of Equipment	Qty.	Specification
	Thermocycler	01	<p>Thermal cycler Sample capacity - 96x 0.2 ml tubes or 96 well PCR plate Speed of ramping- Upto2.5°C/see Temperature range- 4 –100°C Temperature accuracy- ±0.5°C for Programmes target at 90°C , NIST- traceable Temperature uniformity- ±0.5°C well to well within 30 see of arrival at 90°C Input power - 100-159VAC,50-60Hz ,220-240 VAC 50- 60Hz 670W maximum Display - 12cm (4.7")high resolution ¼ VAG Port - 1USB Memory- 99 typical programs Dimension (W x D x H)- 24 x 44 x21 cm (9 x 17.5 x 8") weight - 10KG(221b) Gradient Gradient Accuracy- ± 0.5°C for programmed target at end row, NIST –traceable Row uniformity- ± 0.5°C well to well (within row) with in 30 See reaching target temperature Gradient range – 30- 99 °C Temperature differential rang- 1-25 °C</p>
	Gel Documentation system	01	<p>a. 12- bit scientific Grade, Zero Defect CCD camera with Anti reflective coating and micro Lens for sensitivity up to pg level. b. Should have at least 1.4 mega pixel Resolution . c. Should have Flat Field Calibration for uniformity of light acquisition cross the sensor. d. Should have dark current noise corrections of increased image acquisition speed and reduced background e. Motorized zoom lens :8-48m f. Should have Auto Image Capture for single button click to automatically control and adjust camera zoom, focus and iris as well as</p>

			<p>exposure time simultaneously .</p> <p>g. Should have metallic dark room which should be chemiluminescence imaging ready and full controlled trough computer as well as through touch pad dark room .</p> <p>h. Should have at least 5-position Motorized filter wheel for multiplex imaging with controls trough touch panel on dark room as well through soft ware.</p> <p>i. Light source should automatically switch off after image acquisition</p> <p>j. UV transilluminator mounted on slide out tray :Dual wavelength without changing tubes (302 and 365 nm),Dual intensity (Hi/Lo)and EvenScan.Imaging area of at least21x26cm</p> <p>11- Independent Source for Transilluminated White Light; imaging area of at least 21x31 cm.</p> <p>l. Dual Epi-white light</p> <p>m. Soft ware for acquisition, enhancement, editing, annotation, archiving and analysis including features like 1D multilane densitometry,2-Dspot densitometry, MW Rf analysis, Microtiterplate ,Eli-spot, Array and Dot Blot Analysis ,Colony Cell and GFP Yeast Counting, Q-PCR, Zymogram gel analysis ,Gel scoring ,Band matching ,RFLP, RAPD, Fingerprinting , Dendogram creation, option for Dice ,jacard ,Pearson ,Frequency ,Similarity coefficients and cluster analysis with multiply methods including Neighbor joining ,UPGMA,WPGMA, Simply linkage ,complete linkage, ward , median, centroid etc., Multicolour fluorescence microscopy imaging and Movie Mode Facility.(Two stand alone copies of software to be provided along with)</p> <p>n. Computer(with Intel Pentium duel core processor,160GB,HDD,),2GB RAM,CD-read/write,17” TFT monitor , keyboard, Mouse),Suitable UPS,B and W Laser Jet Printer</p>
15-	Horizontal Laminar flow cabinet	01	With Acrylic glass door & U.V.light , Duro Board (Wood) Cock for gas/air vacuum line, Size inside ,Lenth-1200mm, Width-600mm , Breath-600mm
16-	Vertical Autoclave	01	-Made of stainless steel from inside and outside is made of mild steel duly painted with epoxy powder coating -Fitted with automatic cut-off device for element for general safety and also fitted with indofoss piezostat to adjust pressure between 15 to22 PSI -capacity-50 litres
17-	PH meter :	01	pH meter Microprocessor based pH meter provides reliable and accurate performance .LCD display ,pH measurements should automatically compensate for temperature variance .Unit can be calibrated with 3 different buffers (4.00,7.00,and9.20). Meter should be supplied complete with combination glass pH electrode stainless steel

			<p>temperature probe electrode holder, cable ,12VCD transformer ,calibration buffers(pH 4,7and pH 9)and electrolyte solution(preferable ORION make).</p> <p>Range: 0.00 to14.00 PH:0.0 to 100.0 C ; ± 399.9mV(ISE);± 1999mV(ORP)</p> <p>Resolution: 0.01 pH;0.1 C ;0.1mV(ISE);1mv(ORP)</p> <p>Accuracy: 0.01 pH;±0.5°C;±0.2mV(ISE);1mV(ORP)</p>
18-	EC meter		<p>Microprocessor based conductivity meter for reliable and accurate performance .LCD display ,Automatic temperature compensation and calibration ,stainless steel temperature probe, electrode holder, cable,12VCD transformer with calibration and electrolyte solution (preferable ORION make).</p> <p>Range:0 to 3999µS/cm</p> <p>Resolution: 1µS/cm</p> <p>Accuracy:±2 % Full scale of 20°C</p>
19-	Microwave oven		<p>24 litres capacity</p> <p>-only for cooking purpose</p>
20-	Air conditioner		
21-	Oven		<p>OVEN</p> <ul style="list-style-type: none"> -Temperature up to 250°C Heating elements are placed in ribs at the bottom ,and sides -Double walled inside anodised stainless steel -The door has synthetic rubber gasket -Out side Mild Steel painted in epoxy powder coating with perforated adjustable shelves, two indicators and on/off switch. To work on 220/230 volts A.C. -With one number Air circulating Fan & Digital Temperature controller Cum Indicator. -Capacity- 224 litres (605 X 605 X 605 MM)
22-	Audio recorder and editor		<p>MP 3 Stereo Recording Built – in Stereo Microphone ,USB Direct Connected to PC , MP3 and WMA playback ,Built – in FM Tunner</p>
23-	Video camera (Handy cam)		<p>HD Recording Format AVCHD(1920x1080 i) ,HD video code MPEG-4 AVC/ H.264 SD Recording Format MPEG-2 , Media Storage Type 80GB hard Disk Drive HYBRIDE/HYBRIDE plus HYBRID (Movie recording on memory stick)</p> <p>Image Sensor Type 1/5 “Exmor” CMOS Sensor with Clear Vid array image Processor Type BIONZ ,Lens/Filter Diameter Carl Zeiss Vario- Tessar/30 mm</p> <p>Optical/Digital Zoom 10x / 120x</p>
24-	LCD Projection System		<p>Optical:</p> <p>Projection system 3LCD panels, 1 lens projection system panel 0.63-inch SXGA LCD panel,786,432(1024x768)x3Pixels Projection Lens 1.2 times zoom lens, f=18.8 to22.6mm,F = 1.6to1.94Lamp 165W UHP Screen coverage 40to 300 inches (Viewable area measured diagonally) Light output 2100 ANSI Lumens (Lamp mode high)/1600ANSI Lumens(Lamp mode standard)</p> <p>Signals:</p> <p>Colours system NTSC3.58, PAL,SECAM, NTSC4.43, PAL-M,PAL-N, PAL60 Resolution Video 750 TV Lines Resolution RGB 1024X768 Pixels</p> <p>Acceptable input singles video 15 kHz RGB 50/60 Hz ,Progressive component 50/60 Hz DTV</p> <p>(480/60i,575/50i,1080/60i,480/60p,575/50p,1080/50i,720</p>

			/60p,720/50p),2080/24PsF, composite video ,Y/C video
25-	Digital camera		-DSCW-200,12.0 m PIX, Digital zoom (2X),2.5LCD
26-	Fax machine		

1. The rates shall be quoted for F.O.R, IIVR , Jakhini (Shahanshahpur), Varanasi. In case of out station or otherwise the rates shall be quoted for delivery at destination.
 2. The price shall be quoted in clear terms separately indicating the unit price and other incidentals, if any, chargeable.
 3. Tax elements shall also be clearly mentioned either the exact amount or at least in % for our consideration. "NO FORM-C-OR FORM-'D' WILL BE ISSUED" for availing Sales Tax concession.
 4. **Separate quotation for each item addressed to the Director of this Institute indicating "Quotation for purchase of -----(Name of Equipments) due on 18.01.2010 by 02.00 p.m. should be mentioned on the top of the envelop otherwise quotation will not be accepted.**
- 27- Rate should be quoted for supply of equipments as per specifications given on our WEB SITE.
 - 28- Unless otherwise specifically mentioned, it will be presumed that the quoted rates are inclusive of all taxes and FOR IIVR, Varanasi.
 - 29- If you are not the authorized dealer, manufacturer's price list and their proforma Invoice has to be produced as and when called for.
 - 30- Please enclose a copy of your dealership letter of authorized dealer.
 - 31- Payments will be made within 30 days from the date of receipt of equipments in good conditions and its satisfactory installation.
 - 32- The Director, IIVR, Varanasi reserve the right to cancel any quotation or all quotations without assigning any reason.
 - 33- In case of any dispute the decision of the Director, IIVR, Varanasi will be final.
 - 34- The firm should also mention their PAN number, Bank account number & Banker's name for making payment through Internet. Sales Tax/VAT registration number should also be mentioned in quotation letter.
 - 35- Quotations in a closed and sealed cover duly addressed to the Director of this Institute along with terms & conditions should be sent so as to reach at this Institute by 2.00 p.m. on 18.01.2010

Yours faithfully

ASSTT. ADM. OFFICER

Telegram: VEGRES



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No .1-57/2009-10/Adm.III

Dated: 01.01.2010

INVITATION OF QUOTATIONS FOR SUPPLY OF EQUIPMENTS
Last date for receiving quotation 18.01.2010 by 02.00 p.m.

On behalf of the Director, IIVR, I am to invite lowest rates from the manufacturers and suppliers for the supply of under mentioned equipments for our consideration/ purchase:-

Item No.	Name of Equipment	Qty.	Specification
1.	Dry bulb thermometer(IS:5681-1970)	02	
2	Wet bulb thermometer(IS:5681-1970)	02	
3	Maximum thermometer(IS:5681-1970)	02	
4	Minimum thermometer(IS:5681-1970)	02	
5	Soil thermometer (5cm) (IS:6592-1972)	02	
6	Soil thermometer (10cm) (IS:6592-1972)	02	
7	Soil thermometer (20cm) (IS:6592-1972)	02	
8	Wind vane(mechanical) (IS:5799-1970)	01	
9	Ordinary rain gauge(FRP) (IS:52225-1969)	01	
10	Rain measuring glass of 20 mm. capacity (IS:5973-1970)	02	
11	Open Pan Evaporimeter (Full set)copper sheet(IS:5973-1970)	01	
12	Sun shine recorder(IS:7243-1974)	01	
13	Card for sun shine recorder (1 year set)	3set	
14	Muslin cloth	5 metres	
15	Muslin thread	5bundles	
16	Single Stevenson's Screen (IS:5948-1970)	01	

1. The rates shall be quoted for F.O.R, IIVR , Jakhini (Shahanshahpur), Varanasi. In case of out

- station or otherwise the rates shall be quoted for delivery at destination.
2. The price shall be quoted in clear terms separately indicating the unit price and other incidentals, if any, chargeable.
 3. Tax elements shall also be clearly mentioned either the exact amount or at least in % for our consideration. "NO FORM-C-OR FORM-'D' WILL BE ISSUED" for availing Sales Tax concession.
 4. **Sealed quotation addressed to the Director of this Institute indicating "Quotation for purchase of Metrological Observatory (Name of Equipments) due on 18.01.2010 by 02.00 p.m. should be mentioned on the top of the envelop otherwise quotation will not be accepted.**
 5. Rate should be quoted for supply of equipments as per specifications given on our WEB SITE.
 6. Unless otherwise specifically mentioned, it will be presumed that the quoted rates are inclusive of all taxes and FOR IIVR, Varanasi.
 7. If you are not the authorized dealer, manufacturer's price list and their proforma Invoice has to be produced as and when called for.
 8. Please enclose a copy of your dealership letter of authorized dealer.
 8. Payments will be made within 30 days from the date of receipt of equipments in good conditions and its satisfactory installation.
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