



Department cum National Centre for Human Genome Studies & Research
Pharmaceutical Extension Block, Panjab University, Chandigarh-160014(INDIA)
(Esttd. under the Panjab University Act VII of 1947-enacted by the Govt.of India)

Phones : 0172-2534109 (Off.) 0172-2534118 (Direct)

Ref.91/HG/Store

Dated:26/11/2014

To
The Director
Computer Science Department
P.U., Chandigarh

Dear Sir,

Kindly put the enclosed notice inviting quotations (NIQs) on the university website as desired by the chairperson, Department cum NCHGSR, P.U., for the below mentioned items with their specifications:-

1. Consumable Chemicals
2. Ice Flaking Machine
3. Analytical Balance
4. Double Beam UV-Visible spectrophotometer

Thanking you,

Yours Sincerely,

(Chairperson)



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Ref.92/HG/Store

Dated:26/11/2014

N.I.Q.

UNDER REGISTERED/SPEED POST

Please quote your lowest rates in DUPLICATE, for the item (s) given below as per the specifications. Your quotation should reach the undersigned latest by 5 p.m. on 12.12.2014.

Ice Flaking Machine

- Production capacity in 24 hrs. 80-100 Kg
- Storage capacity of bin should be 15-20 Kg
- fully insulated bin to preserve ice for longer duration
- Material of construction should be stainless steel.
- Compact design.
- Should be equipped to limit lime deposit and frequent cleaning.
- Automatic stop and start when there is no power or water supply.
- The vendor must have servicing capabilities in Chandigarh
- The quoted model should have at-least 5 installations in Chandigarh. Contact details of users must be provided.
- The vendor must provide authorization letter from the manufacturer.
- One time importers from china or manufacturers with customized specification must not quote.

The rates quoted should be strictly FOR NCHGSR, Department, P. U., Chandigarh. SPECIAL DISCOUNT for educational institutions/University teaching department may be mentioned. The technical and financial bids be enclosed in separate sealed envelopes duly marked and placed together in a duly sealed envelope giving our reference and due date of quotation. It should reach The Chairperson, Department cum NCHGSR, Panjab University, Chandigarh-160014 by due date. Warranty both parts and labour should be minimum of two years.

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Double Beam UV-Visible spectrophotometer

- **Optics:** Monochromator, Holographic grating with at least 1000 lines per mm, Double beam, Quartz coated mirrors
- **Light source:** Deuterium lamp/halogen lamp (auto switching) or Xenon pulse lamp
- **Wavelength range:** 190 – 1100 nm
- **Wavelength accuracy:** ± 0.5 or less
- **Wavelength reproducibility:** ± 0.1 nm
- **Spectral bandwidth:** 1.5 nm or less
- **Photometric range:** -3 to +3 Abs
- **Stray light at 220 nm:** $< 0.05\%$
- **Photometric accuracy:** ± 0.005 or less at 1 Abs
- **Photometric reproducibility:** < 0.005 Abs
- **Photometric stability:** < 0.0005 Abs/h
- **Photometric noise:** $< 0.0005A$ at 1Abs
- **Computer system:** State of art with photo quality HP printer (resolution 1200 dpi at least) Along with UPS
- **Software:** Window based to run the system with following features:
Quantative calculation, wavelength scan, time scan, multi-wavelength, kinetic scan, Thermal scan and quantitative ratio.
- **Power requirements:** 230V AC, 50 Hz.
- Essential accessories to run the system such as standard cell holder, cuvettes (quartz and glass, 1 ml capacity each), connection cables, interface board etc. Confirmation to GLP and certified validation.
- Micro cell holder and quartz cuvettes for 50 μ l/500 (microliter) volume (pair).
- One year comprehensive warrantee with additional one year service warrantee
- The supplier must supply following along with quotation:**a).** Compliance statement in tabular form giving details as per specifications **b).** Literature in support of compliance statement, **c).** Details of AMC charges after warranty period. **d).** List of users in the area of biological sciences.
- The vendor must provide authorization letter from the manufacturer.
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(B) Analytical Balance

- Readability 0.1 mg.
- Max. Capacity: 220g.
- internal calibration.
- resolution: 0.1 mg.
- linearity: 0.2 mg.
- The vendor must provide authorization letter from the manufacturer.
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Consumable Chemicals

Chemicals (MB Grade)	Quantity
Agarose	500gm
Low melting Agarose	500gm
Tris base	500gm
Phenol (Tris equilibrated)	500mlx2
Fine Chemicals	Quantity
Lambda DNA	200ug
pUC 18 DNA	25ug
20bp DNA ladder	100 reaction
Amplitaq gold polymerase	250 units
PCR purification kit (Gel elution)	50 reaction
DNA modification/bisulphite kit	50 reaction
NEB Taq DNA polymerase	2000 unitsx2
dNTPs mix (10mM each)	
Dde enz (NEB)	1000u

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