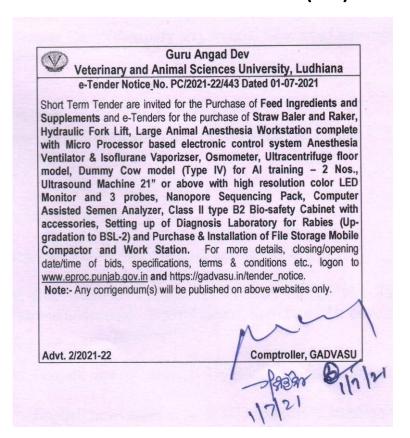
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Purchase Cell, Office of Comptroller GURU ANGAD DEV VETERINARY AND ANIMAL SCIENCES UNIVERSITY

Ferozepur Road, Ludhiana- 141004 – Punjab (India)

Email: officepurchasecell@gmail.com, Phone 0161-2553353

NOTICE INVITING e-TENDER (NIT)



DETAILED NOTICE INVITING e-TENDER (DNIT)

Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana invites e-tenders through the website https://eproc.punjab.gov.in under two bid systems from eligible and qualified bidders (Manufacturer/Sole Selling Agent/Distributor/Authorized Dealer) for the supply of the following items, as per the required specification with full terms & conditions.

Details of required item(s):-

Sr No	Name of required item(s)		Name of indenting department/ place of delivery /installation of item(s)	
1.	Purchase of Computer Assisted	One	Dean, College of Animal	
	Semen Analyser		Biotechnology, Guru Angad Dev	
	Complete as per required		Veterinary & Animal Sciences	
	specifications with accessories (If any)		University, Ludhiana-141004	

CRITICAL DATE SHEET		
eTender Reference No.	PC/2021-22/443	
eTender ID No.	2021_DAH_68320_1	
Last Date & time for submission of online Bid NOTE: If the bidders using Net Banking Service of banks other than SBI are advised to must deposit online Fees in advance at least (3) three working days prior to the last date of submission of the Bid.	03-08-2021 upto 11.30 am	
Date & time for opening of technical Bid NOTE: If sufficient bids are not received within stipulated time, tender may be extended/ re-tendered or opened with new date & time as per the recommendations of sub purchase committee.	04-08-2021 at 11.40 am	
Contact person for required item(s) related any enquiry	Dr. Neeraj Kashyap, M- +91-94683-59189, Email Id- neeraj.vety@gmail.com, schoolabt@gmail.com, deancoabt@gmail.com	

<u>DETAILS OF FEES</u>		
Sr No.	Details	Amount (Rs)
1	Tender Fees (Non-refundable)	3,300/-
2	Earnest Money Deposit (EMD) (Refundable) The EMD will be returned to the unsuccessful bidders automatically by the State Public Portal i.e. http://eproc.punjab.gov.in . Note: Earnest Money Deposit (EMD) of successful bidder will be refunded only after receiving the satisfactory report from the inspection committee of the concerned department/college as per the tender terms and conditions, and guidelines laid down in the Purchase Procedure of Guru Angad Dev Veterinary and Animal Sciences University.	1,30,000/-
3	Total Processing Fee including GST @ 18% (in INR)	2,360/-

Important Note:- 1. The e-Tender of Guru Angad Dev Veterinary & Animal Sciences University, Ludhiana appeared/listed on website https://eproc.punjab.gov.in under Organisation "Department of Animal Husbandry" and Division "Purchase Cell". For details logon to www.eproc.punjab.gov.in and https://gadvasu.in/tender_notice. Any corrigendum(s) will be published on above websites only.

- 2. The interested bidders are advised to submit/upload their bids/documents well in advance before closing date/time to avoid any problem at the later stage.
- 3. The bidders using Net Banking Service of banks other than SBI are advised to submit their EMD and other fees (if any) in advance at least (3) three working days prior to the last date of submission of the Bid.
- 4. At the time of Technical Evaluation of Technical Bids, the sub purchase committee may ask all/any bidder(s) to submit the hard copy of any document or any additional documents or show presentation/demo of product or any query (If required) for verification/approval of Technical bids.
- 5. Financial Bids will be opened only of those tenderers, who qualify and are found suitable during the processing of Evaluation of Technical Bids. Financial Bids will be opened immediately after receiving Technical Evaluation report from the concerned sub purchase committee.

Detailed specifications of the required item(s):-

College of Animal Biotechnology Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana

Required Specifications of:

Computer Assisted Semen Analyser

- Computer Assisted Semen Analyzer must be suitable for analysis of multi-species animal semen.
- The software should be able to perform analysis under standard (Zeiss/Olympus/Nikon) phase contrast, bright field, multi wavelength fluorescence microscope.
- The microscope must be supplied with at least one 20x objective for fluorescence analyses.
- The microscope Scan Stage must be automatic, heating installed with Positioning accuracy +/- 5 μm, complete with joystick, control unit.
- The assembly should be equipped with the computer, microscope & other hardware's, and all should work as a unit.
- The integrated model or as separate microscope model must be mentioned clearly.

Sperm trait analysis module:

a) Sperm concentration and motility traits module

The Quick and accurate display of concentration and motility must be enabled. CASA must include Quality control module linked to raw ejaculate to compare native semen with thawed semen. Dose calculation module with calculation based on concentration, motility and morphological defects must be there.

Motility Analysis with following parameters:

- Fast, slow, progressive, immobile
- Head-activity sperm motion parameter (HAC).
- VCL curvilinear velocity
- VSL straight-line velocity
- VAP average path velocity
- ALH amplitude of lateral head displacement
- LIN linearity
- · WOB wobble
- BCF beat cross frequency.
- DSL, DCL and DAP
- · Graphics: Color coded tracks, plots.

b) Sperm Viability and Morphology module

Morphology and morphometric evaluation module must be enabled with multispecies. Plasma membrane integrity (Viability) module be supplied to work with double fluorescence stain so as to measure intact and damaged membrane in one field.

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• Calculation of basic parameters:

- Percentage of normal and abnormal spermatozoa.
- Percentage of spermatozoa with abnormal head, midpiece, tail and cytoplasmic droplet.
- Teratozoospermy index.

• Calculation of advanced parameters:

- Morphometry analysis (average and standard deviation)
 - Head: Length, width, area, perimeter, elongation, ellipticity, rugosity, regularity, percentage of acrosome, grey level.
 - Midpiece: Width, area, insertion distance, angle.
 - Tail: Length.
- Percentage of each morphological type (It is possible to modify the description)
 - Head: Micro, macro, elongated, pyriform, round, amorphous, normal acrosome.
 - Midpiece: Width, asymmetric, angulated.
 - Tail: Short, bent, coiled, multiple, without.
- Visualization of the analysis masks and the original image.
- Visualization of each spermatozoa individually and possibility to print these results in an individual report.
- Possibility to add or eliminate spermatozoa.
- Manual selection of tail anomalies.

c) Sperm Acrosome integrity module

A double fluorescence staining based Acrosome Integrity test module to determine the percentage of sperm with damaged and intact acrosomes must be enabled.

d) Sperm Mitochondrial Activity module

It should done with double fluorescent staining with high accuracy.

e) Acrosome reaction evaluation module

The facility to evaluate acrosome reaction with high accuracy.

The complete CASA system must have:

- Software, Colour Camera, Microscope, PC, Monitor
 - Colour Camera: Resolution Horizontal/Vertical 1024 x 1024 pixel, high speed up to 60-100 frames/second.
- System should be usable with plane slides as well as disposable counting chamber.
- Real Time Analysis of Live images and Video files.
- Analysis of up to 1,000 sperm cells per field/ no of field selection feature.
- manual adjustable motility parameters
- · Automatic sperm cell amount deviation hint when analyzing several fields
- QC analysis connected to raw ejaculate (unlimited numbers).

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- Membrane Integrity automatically analyze with options of PI/SYBR 14 and PI/Hoechst 33342 fluorescent stains integrated in motility analysis or any other fluorescence methods.
- Morphology/ Morphometry module, 100x oil objective for morphology must be included.
- · Highly efficient particle filter/debries removal
- Differentiation of circular sperm as subgroup of progressive motile sperm.
- · User friendly and intuitive interface and parameter settings
- Dose calculation module with calculation based on concentration, motility and morphology.
- · Adjustable video recording time
- Storage of analysis results, including AVI video files
- Data export to lab software and MS Excel for further statistical analysis
- · Semen analysis report individually designed, includes analysis image
- Software should analyze recorded videos as well as live sperm samples. The option of analyzing recorded videos to provide flexibility of semen assessment, both in time and location.
- Facility to determines: Length and width of the sperm head
 Head shape, Mid-piece Damage.
- Facility to record and display pictures of single sperm for classification

Microscope features

- The automatic microscope heated stage should provide precise control of temperature.
- The stage should be compatible to use analysis chambers such as disposable fixed depth slides, glass slides, Makler chamber etc.
- Microscope to be provided with suitable phase contrast objectives 10x, negative phase contrast 20x and 100x Phase Contrast objectives.
- Fluorescence attachment –Suitable filters to analyze all fluorescent assay with great accuracy (Motility, Viability, Acrosome integrity, Mitochondrial activity and DNA fragmentation, Acrosome reaction)

PC should have following minimum specs:

- · Processor i5 11th generation,
- · Turbo Boost Technology.
- RAM: 8GB, 3200 MHz
- NVIDIA Graphic card 4 GB
- USB support 3.0
- SSD: 250GB SATA
- HDD: 4,0TB, eSATA3, 64MB Cache
- DVD: DVD writer, SATA
- · OS: Windows 10 professional 64bit
- Monitor: 24" TFT (Full HD resolution, 1920 x 1080)/Touchscreen
- UPS 1,000 VA.

Important note

- Firm must clearly indicate the methods of fluorescence analysis for each sperm traits.
- Firm must provide the list of consumables along with rates for the calculation of running cost. If any patented product is being used for analysis, it must be clearly mentioned.
- Firm must provide list of installations in India.
- Guarantee/Warrantee must be clearly mentioned.
- Post sale service support must be clearly indicated (service support in Chandigarh, Ludhiana, Ambala, Delhi, North India preferred.)

All the above said should be either certified by the Principal company or should be available on the website or should be demonstrated at the nearby referred customer/user site Please mention the customer name mobile no & address where it could be verified

Signature of the Committee members

 Dr. Neeraj Kashyap Assistant Professor

Indenter, CoABT

2. Dr. J.S Årora
Scientist

Nominee of the Head, College of Animal Biotechnology

3. Dr. Ajeet Kumar, Professor

Expert Member Nominee

Directorate of livestock Farms

4. Mr. Satinder Pal Singh

Store Keeper, CoABT

5. Mr. Tarsem Singh, Superintendent O/o Dean PGS,

Nominee, Comptroller

College of Animal Biotechnology

Guidelines for submission of TECHNICAL BID:

The Technical Bids should contain detail information on the following: -

- 1) Full Name of the Bidder Firm along with complete address. 2) Bankers Name & Address. 3) GST No.
- 4) PAN/TAN No. 5) Experience in line. 6) Validity of Offer. 7) Lead time/Delivery Period. 8) Payment condition.
- 9) Write-ups, Guaranty/Warranty, AMC details etc. 10) Quality Assurance/Monitoring system followed-Certificates where needed should be attached.

The firms are also required to upload copies of the following documents in a single file of .pdf format with Technical Bid:-

- a) Scanned copy of dully filled Check List.
- b) Scanned copy of Full details of Item(s), sub systems and additional items/accessories to be quoted (i.e. Full name, Model number, Name of Accessories, Manufacture Details, Literatures/brochures/write-ups, Guaranty/Warranty, AMC details etc.) as mentioned in the technical bid.
- c) Scanned copies of Brochure/leaflets/catalogues for equipments should be submitted in the technical bid.
- d) Scanned copy of all document(s) mentioned in the above detailed specification of the required items (if any).
- e) Scanned copy of the Authorization dealer/distributor/stockist certificate issued by Manufacturer.
- f) In case of imported equipment, scanned copy of Manufacturers Authorization Certificate issued by Principal Manufacturer duly verified by the Indian Agent.
- g) Scanned copy of Tender Acceptance letter & Undertaking (Annexure-I).
- h) Scanned copy of firm's Registration, PAN Card, GSTIN.
- i) Scanned copy of Income Tax Statement for the last year.

Guidelines for submission of FINANCIAL BID:

- (a) The rates should be quoted as per the BOQ uploaded on the SPP Portal. Taxes, if any, should be indicated separately. Please mention the amount of GST under column no. 9 duly calculated as per total quantity required as per column no. 4 for each item. The bidders are advised to download this BOQ.xls as it is and quote their offer/rates in the permitted column and upload the same in the Financial Bid. The Bidder shall not tamper/modify downloaded price bid template in any manner. In case if the same is found to be tampered/modified in any manner, tender will be rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with GADVASU.
- (b) The bidders are advised to quote price for equipment in INR.
- (C) The University is entitled for Discounted GST @ 5% on items which are covered under Notification No 47/2017-Integrated Tax (Rate) Dt 14th Nov, 2017, Notification No. 45/2017-Central Tax (Rate) Dt 14th Nov, 2017 and Amendment no. 10/2018- Integrated Tax (Rate) Dt 25th Jan, 2018 and University shall provide Declaration for GST Benefit. Therefore all charges including GST according to above circulars and any other levies payable by University should be clearly indicated otherwise it would be presumed that the rates quoted are inclusive of all these charges and will not be paid. Please mention the amount of GST under column no. 9 duly calculated as per total quantity required as per column no. 4 for each item in BOQ uploaded on the SPP Portal.
- (d) The payment will be made after deducting TDS as per GST/Govt. Rules.

Guidelines for bidders for Registration and Submission of bids:

- 1. For participating in the above e-tender, the contractors shall have to get themselves registered with http://eproc.punjab.gov.in. and get user ID & password. Bidders who have not registered with e procurement portal need to get registered by paying the requisite registration fee for e-tender participation and obtain Class 3 Digital Signature Certificate (DSC) which are mandatory to participate in the e-tendering process.
- 2. Bidders should enroll/register in the e-procurement module of State Public Procurement Portal (SPP Portal) through the website: URL:http://eproc.punjab.gov.in for participating in the bidding process. Useful information for Registration of first time bidder and instructions for submitting the online bids on the SPP Portal is available at URL:http://www.eproc.punjab.gov.in through its link "Bidder Manual Kit" (https://eproc.punjab.gov.in/nicgep/app?page=BiddersManualKit&service=page).
- 3. Tender Documents can be downloaded from the State Public Procurement Portal <u>URL:http://eproc.punjab.gov.in</u>.
- **4.** Any change/corrigendum/extension of opening date in respect of this tender shall be issued through websites www.gadvasu.in and www.eproc.punjab.gov.in only and no press notification will be issued in this regard. Bidders are therefore requested to regularly visit these websites for updates. Bidder should also take into account all corrigendum(s) published before submitting the bids online.
- 5. The bidders are required to submit their bids online on the SPP Portal, using valid Digital Signature Certificates. Bids received only on SPP Portal will be considered, however bids sent through sealed cover/email/post/fax, etc. will be rejected.
- **6.** The BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for that tender.

- 7. The units registered with National Small Industries Corporation (NSIC) or the concerned Ministry or Department shall be exempted from the payment of Bid Security (Earnest Money Deposit) as defined under General Financial Rules, 2017. In such case, copy of the certificate showing registration with the above mentioned institutions to be uploaded in Cover-I of the e-tender in PDF format. The date and time fixed for closing of bids will remain unchanged, even if it is declared as a holiday by the Government. GADVASU will not be responsible for any delay in enrolment/registration as bidder or submitting /uploading the offer on e-tender portal. Hence, bidders are advised to register in e-tendering website URL:http://eproc.punjab.gov.in and obtain their Digital Signature Certificate and upload their bids/documents well in advance.
- **8.** Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority or the relevant contact person indicated in the tender.
- **9.** For any clarification/difficulty regarding e-tendering Process please contact on helpdesk at Punjab State e Governance Society, Plot No. D-241, Industrial Area, Phase 8, Sector 74, Mohali, Phone No. 0172-2970263 & 0172-2970284. E-mail: eproc@punjab.gov.in and niceproc.punjab@gmail.com

10. Intimation Regarding Payment of Online Fees:

- **1.** The bidders using Net Banking Service of banks other than SBI are advised to submit their EMD and other fees (if any) in advance at least (3) three working days prior to the last date of submission of the Bid.
- **2.** The bidders are hereby informed not to close/suspend their Bank Accounts, from which the EMD/Tender Fee/Processing Fee is being paid for respective Tender. In case of any refund issue relating to the respective tender, the Department would not be liable or responsible in anyway.
- **11. Intimation Regarding Payment through NEFT / RTGS Mode** The bidders are hereby informed that settlement of NEFT / RTGS transaction does not take place on Sundays, 2nd and 4th Saturdays of a Month, and Declared Bank Holidays.

General Terms & Conditions / Instructions for bidders:-

- The interested, bona fide and reputed dealers/distributors/stockists/manufacturers or Indian agents (on behalf of their foreign principals) may submit online bids for each of the required item(s) along with all requisite documents, Tender Fee, Processing Fee and EMD.
- 2. EMD(s) for different required item(s) as indicated in respective cell(s) under the EMD column of the above table should be submitted separately for each item(s).
- 3. Tender shall be accepted only from Manufacturer/Sole Selling Agent/Distributor/Authorized Dealer.
- 4. The units registered with National Small Industries Corporation (NSIC) or the concerned Ministry or Department shall be exempted from the payment of Bid Security (Earnest Money Deposit) as defined under General Financial Rules, 2017. In such case, copy of the certificate showing registration with the above mentioned institutions to be uploaded in Cover-I of the e-tender in PDF format.
- 5. The EMD will be returned to the unsuccessful bidders automatically by the State Public Portal i.e. http://eproc.punjab.gov.in.
- 6. The EMD will be forfeited if the bidder fails to accept the order based on his/her offer/bid or fails to supply the items.
- 7. The supplier will have to complete the supply of materials within due time from receiving of purchase order. The liquidated charges @1% per week shall be imposed if supply is made after expiry of delivery period subject to maximum 10% of the total value of the order. After 10 weeks order shall stand cancelled. However competent authority of the University has reserves to right to accept the material even after stipulated period without any liquidated charges.
- 8. The quoted equipment shall be in compliance with the required specifications mentioned in tender and shall be of the latest technology, best quality and high standards. Any optional accessories/ tooling, besides the standard equipment recommended for the better performance of the equipment, if offered, be provided with their full technical details including their use and advantage in a separate sheet with the tender documents. No extra payment shall be paid on account of any discrepancy in nomenclature of items.
- 9. The item should be delivered F.O.R. at GADVASU/Research Stations/KVKs/Colleges etc. as mentioned in Tender document and the supplier shall be responsible for any damage during the transit of goods. The FOR price should be inclusive of all incidental charges i.e. freight, forwarding, insurance, etc.
- 10. The clearing charges from custom house will be borne by the Indian Agent of supplier.
- 11. All miscellaneous charges on foreign transactions make Form 15A and its subsequent charges on verification by Chartered Accountant would be borne by the bidder.
- 12. The documents will be provided to the Indian Agent on request by GADVASU.
- 13. Tenderer shall take into account all costs including installation, commissioning, cartage, etc. for giving delivery of material at site before quoting the rates. In this regard no claim for any extra payment for any reason shall be entertained.
- 14. The payment will be made after deducting TDS as per GST/Govt. Rules as applicable.

- 15. Our Institute is registered with DSIR and is exempted from Excise Duty & Custom Duty. Hence, CDEC/DSIR will be provided to the firm, if demanded. Rates should be quoted accordingly.
- 16. The quantity can be increased/decreased as per the actual requirement.
- 17. The supplier should give an undertaking that they will be responsible to carry out the preventive maintenance and to repair the equipment during guarantee and post guarantee period.
- 18. Full details of after sale service offered during the post guarantee period should be furnished along with tender specified.
- 19. Information of actual users of the equipment in India supported with evidences and performances should be furnished alongwith tender.
- 20. If required the working of the equipment must be demonstrated in any place to be specified by the supplier.
- 21. The supplier shall train to the satisfaction of the purchaser one or two technicians at site/factory for operating, servicing and undertaking minor repairs without extra cost.
- 22. The bidder is required to furnish the non-blacklisting certificate as per Annexure II.
- 23. While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected. If any tender estipulate any condition of his own, such conditional tender is liable to be rejected.
- 24. GADVASU reserves the right to accept/reject any or all the tenders in part/full without assigning any reason thereof.
- 25. All disputes shall be subject to Ludhiana jurisdiction only.

Place: Ludhiana

Sd/-Assistant Store Officer (Purchase) Purchase Cell

Checklist		
Sr.No.	Details	
1.	Name and Complete Address of the Firm	
2.	Email Id and Contact number of the bidder	
3.	Permanent Account Number (PAN) No. of the Firm	
4.	Bank details of the Firm: Bank Name, Branch Address, Account Number., Type of Account (Current/Savings), MICR Number, RTGS/NEFT Code etc.	
5.	Details of Quoted item(s) i.e. Name, Make, Model Number etc.	
6.	Attached scanned copy of Full Details of item(s), Sub systems and additional items/accessories to be quoted (i.e. Full name, Model number, Name of accessories, Manufacture details, Literatures/Brochures/Write-ups, Guarantee/ Warranty, AMC details etc.) as mentioned in the technical bid. (Write YES OR NO)	
7.	Attached scanned copy of the Authorization dealer/distributer/stockist certificate issued by manufacturer (Write YES OR NO)	
8.	In case of imported equipment, Attached scanned copy of Manufacturers Authorization certificate issued by Principal Manufacturer duly verified by the Indian Agent. (Write YES OR NO)	
9.	Attached scanned copies of all other document(s)/ certificate(s) mentioned/required in the DNIT. (Write YES OR NO)	
10.	Attached scanned copy of Tender Acceptance letter & Undertaking (Annexure-I). (Write YES OR NO)	
11.	Attached scanned of firm's Registration, PAN Card, GSTIN. (Write YES OR NO)	
12.	Attached scanned copy of Income Tax Statement for the last year. (Write YES OR NO)	
13.	Whether the accessories (if any) are included in price of equipment item(s) quoted by you? (Write YES OR NO)	

Date:
Place:

Signature of the Bidder
with Official Seal
Name
Designation

TENDER ACCEPTANCE LETTER & UNDERTAKING

(To be given on firm letter head)

Date:

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-	_
	()

Assistant Store Officer,
Purchase Cell O/o Comptroller
Guru Angad Dev Veterinary and Animal Sciences University
Ludhiana

	Guru Angad Dev Veterinary and Animal Sciences University Ludhiana
Tender	Reference No:
Name c	of the tender/work:
Sir,	
	I/we have downloaded the tender documents for the above mentioned Tender/Work from the website(s) www.eproc.punjab.gov.in as per your advertisement.
2.	I/we hereby certify that I/we have read the entire terms and conditions of the tender documents from Page First to Last (including all documents like Annexure(s), schedules(s), etc.,) of DETAILED NOTICE INVITING e-TENDER which form part of the contract agreement and I/we shall hereby abide the terms/conditions/clauses contained therein.
3.	The corrigendum(s) issued from time to time by your department/organization has also been taken into consideration, while submitting this acceptance letter.
4.	I/we hereby unconditionally accept the tender terms and conditions of above mentioned tender document (s)/corrigendum(s) in its totality /entirety.
5.	I/we certify that the items/products quoted by our firm comply all required Technical Specifications as mentioned in the DNIT (Detailed Notice Inviting Tender) under 'Detailed Specifications of the required items'.
6.	I/we hereby certify that all miscellaneous charges on foreign transactions, make Form 15A and its subsequent charges on verification by Chartered Accountant would be borne by our firm /dealer/distributor.
7	I/we hereby certify that our company/Firm and Manufacturer/Principal Firm have not been
,.	blacklisted/debarred by any Govt. Department/Public Sector Undertaking/ Research Institution/Statutory body/University in India during the last Five years.
8.	I/we certify that all information furnished by our Firm is true and correct and in the event the information is found to be incorrect/untrue, then your department/organization shall without giving any notice or reason thereof or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.
	Yours faithfully
Date:	
Place:	Signature of the Bidder with Official Seal

Designation-----