



Uttarakhand Livestock Development Board

Tea Estate, Banjarawala, Near Vidhyut Substation,

P.O. Banjarawala, Dehradun-248001

[TIN: 05001011250]

Telefax : 0135-2532619

Email: ceo_uldb@rediffmail.com Website: www.uldb.org

INVITATION FOR BID

INVITATION FOR BIDS IN TWO BID SYSTEM FOR THE PROCUREMENT OF NONPRESSURIZED LN2 CONTAINERS; A.I. KIT; LABORATORY EQUIPMENTS FOR BOVINE EMBRYO TRANSFER & BOVINE FROZEN SEMEN PRODUCTION; RATE CONTRACT FOR LIQUID NITROGEN; PLASTIC MOLDED STORAGE PALLET; CASTRATOR FOR LARGE ANIMALS; EMPTY STERILIZED FRENCH MINI DFS STRAWS

Bid Reference	:	No. 2686 /ULDB/Proc./03/Vol.X/2011-12 Dated 27 th September 2011
Price of bidding document (non refundable)	:	₹1135.00 for Schedule No. ONE; TWO; FOUR; FIVE; SIX; SEVEN; EIGHT; NINE; TEN; TWELVE & THIRTEEN
Inclusive of VAT	:	₹568.00 for Schedule No. THREE & ELEVEN
Postal charges, if bidding document will be sent by post	:	₹ 100/-
Last date for Sale of Bidding Document	:	04.11.2011
Last date and time for Receipt of Bids	:	05.11.2011 up to 2.00 p.m.
Time and date of Opening of Technical Bids	:	05.11.2011 at 2.30 p.m.
Time and date of Opening of Financial Bids of Technically qualified bidders	:	The ULDB will intimate the date of Financial Bid Opening to the Technically Qualified Bidders Uttarakhand Livestock Development Board,
Place of Opening of Bids	:	Tea Estate, Banjarawala, Near Vidhyut Substation, P.O. Banjarawala, Dehradun (Uttarakhand)
Address of Communication	:	Same as above

Complete set of bidding document can be purchased by any interested eligible bidder on the submission of a written application to the above office and upon payment of Price of Bidding Document in the form of **Bank Draft** favoring "**Uttarakhand Livestock Development Board**" payable at "**Dehradun**".

The bidder who has downloaded the document from website www.uldb.org should attach cost of bid document in the form of **Demand Draft** favoring "**Uttarakhand Livestock Development Board**" payable at "**Dehradun**".

This Bidding document is issued to,

M/s.....

on.....

Chief Executive Officer
Uttarakhand Livestock Development Board

Signature of Bidder



Uttarakhand Livestock Development Board

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SECTION 1 : INVITATION FOR BID

- The Uttarakhand Livestock Development Board has received a grant in aid from Govt. of India towards the cost for the Implementation of National Project for Cattle & Buffalo Breeding in the state of Uttarakhand and it is intended that part of the proceeds of this grant will be applied to eligible payments under the contracts for which this Invitation for Bids is issued.
- The Chief Executive Officer, ULDB now invites sealed bids from eligible bidders for the supply of the following goods:

Schedule No.	Part/ S. No.	Brief Description of Item	Qty.
ONE		Non Pressurized LN2 Container	
	1	3 Liter Semen Storage Type Non Pressurized LN2 Container	100 No.
	2	35 Liter Semen Storage Type Non Pressurized LN2 Container	100 No.
	3	47 Liter Semen Storage Type Non Pressurized LN2 Container	10 No.
	4	55 Liter LN2 Transportation Type Non- Pressurized Vessels	100 No.
TWO		Artificial Insemination (A.I.) Kit	
	A	Universal A.I. Gun	1000 No.
	B	A.I. Sheath & Sleeves	
	1	Universal A.I. Sheath	10,00,000 No.
	2	Disposable PVC Sleeves	10,00,000 No.
	C	Stainless Steel Thermos Flask	500 No.
THREE	1	Vertical Autoclave	01 No.
	2	Vortex Machine	01 No.
FOUR	1	CO2 Incubator	01 No.
FIVE	1	Semi Automatic Gas Sterilizer (Ethylene Oxide Sterilizer) with Consumables	01 No.
SIX	1	Dispenser for dispensing extender in bull (cattle and buffalo) semen production, control unit with balance, pump with stand tubing and sinker	01 No.
SEVEN	1	Automatic Filling & Sealing Machine	01 No.
EIGHT	1	Flow Cytometer for QC of Bovine Semen	01 No.
NINE	1	Stainless Steel Insulated Liquid Nitrogen Container & Vapor Freezing Unit With Scissor Lift Cart	01 No.
TEN	1	Rate Contract for Round the Year supply of Liquid Nitrogen for Artificial Insemination Program of Uttarakhand	Approx. 5,00,000 Liter
ELEVEN	1	Molded Plastic Storage Pallet	195 No.
TWELVE	1	Castrator for Large Animals	100 No.
THIRTEEN	1	Empty Sterilized French Mini Deep Frozen Semen Straw	20,00,000 No.

- Interested eligible Bidders may obtain further information from and inspect the bidding documents at the office of the Chief Executive Officer, Uttarakhand Livestock Development Board, Tea Estate, Banjarawala, Near Vidhyut Substation, P.O. Banjarawala, Dehradun, Uttarakhand (India).
- A complete set of bidding documents can be purchased from the office of Chief Executive Officer, Uttarakhand Livestock Development Board during office hours from 11.00 AM to 04.00 PM, on all working days either in person or by post. on the submission of a written application and upon payment of a non-refundable cost of bid document **as indicated below** in the form of a Demand Draft in favour of Uttarakhand Livestock Development Board, payable at Dehradun.
- The bidding document may be downloaded from the ULDB website www.uldb.org. Downloaded bid document will be submitted along with the cost of bid document (non-refundable) in the form of Demand Draft in favour of Uttarakhand Livestock Development Board, payable at Dehradun.
- Bids should be submitted in two sealed covers one superscribed "Technical Bid" and other "Financial Bid". Both covers shall be put in another sealed cover superscribing all the envelopes with "Bid for the Supply of Items mentioned in Schedule No. Part.....of IFB No., Name & Address of Bidder, Opening Date & Time".

Signature of Bidder

7. **TECHNICAL BID: should contain following documents in given order:**

- i. Cost of Bid Document (in case of bid document downloaded from the website)
- ii. Bid Security **in separate sealed envelop**
- iii. Technical Details of the items conforming to the bid along with literatures & documents
- iv. Documentary proof of BIS / ISO 9001:2000/ ISO 9001 : 2008 certification
- v. Delivery Schedule
- vi. Bidder's Profile along with proof of certification having details of registration, details of proprietor etc.
- vii. Audited Balance Sheet for last 3 years
- viii. Experience of the bidder conforming to the qualification criteria as stipulated in Section VI A of bid document & other relevant documents establishing bidders eligibility & qualification
- ix. Documentary Proof of PAN No. & TIN No.
- x. Samples of items wherever required

8. **FINANCIAL BID: should contain:**

- i. Bid Form & Item wise cost of the goods/ services offered

9. Bids will be opened in the presence of Bidders representatives who choose to attend on the specified date and time.
10. The Financial Bids of only Technically Qualified Bidders will be opened in the stipulated date & time. The list of Technically Qualified Bidders will be displayed in ULDB notice board & website www.uldb.org.
11. In the event of the date specified for bid receipt and opening being declared as a closed holiday for purchaser's office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.

Chief Executive Officer
Uttarakhand Livestock Development Board

Signature of Bidder

SECTION II: INSTRUCTIONS TO BIDDERS**TABLE OF CLAUSES**

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Signature of Bidder

A. INTRODUCTION

- 1. Source of Funds:**
- 1.1 The Uttarakhand Livestock Development Board has received a grant in aid from Govt. of India for the Implementation of National Project for Cattle & Buffalo Breeding in the State of Uttarakhand and it intends to apply part of the proceeds of this Grant to eligible payments under the Contract(s) for which this Invitation for Bids is issued.
- 2. Eligible Bidders:**
- 2.1 The Invitation for Bids is open for all eligible bidders from GoI approved countries.
- 2.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.
- 2.3 Government-owned enterprises in the Purchaser's country may participate only if they are legally and financially autonomous, if they operate under commercial law, and if they are not a dependent agency of the Purchaser.
- 2.4 Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices in accordance with ITB Clause 31.
- 3. Eligible Goods and Services:**
- 3.1 All goods and related services to be supplied under the Contract shall have their origin in eligible source countries.
- 3.2 For purposes of this clause, "origin" means the place where the goods are mined, grown, or produced or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembling of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 3.3 The origin of goods and services is distinct from the nationality of the Bidder.
- 4. Cost of Bidding:**
- 4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and Chief Executive Officer, ULDB, hereinafter referred to as "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

B. THE BIDDING DOCUMENTS

- 5. Content of Bidding Documents:**
- 5.1 The goods required, bidding procedures and contract terms as prescribed in the bidding documents. In addition to the Invitation of Bids, the bidding documents include:
 - (a) Instructions to Bidders (ITB);
 - (b) General Conditions of Contract (GCC);
 - (c) Special Conditions of Contract (SCC);
 - (d) Schedule of Requirements;
 - (e) Technical Specifications;
 - (f) Bid Form and Price Schedules;
 - (g) Bid Security Form;
 - (h) Contract Form;
 - (i) Performance Security Form;
 - (j) Performance Statement Form;
 - (k) Manufacturer's Authorization Form;
 - (l) Equipment and Quality Control Form.
- 5.2 The Bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of its bid at the time of evaluation of technical bid.
- 6. Clarification of Bidding Documents:**
- 6.1 A prospective Bidder requiring any clarification of the bidding document may contact in person or may make telephonic contact to the office of Chief Executive Officer, Uttarakhand Livestock Development Board, Tea Estate, Banjarawala, Near Vidhyut Substation, P.O. Banjarawala, Dehradun at any working day before the dead line of the submission of bid document.
- 7. Amendment of Bidding Documents:**
- 7.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment.
- 7.2 All prospective bidders who have received the bidding documents will be notified of the amendment in writing or by cable or by fax or by website www.uldb.org which will be binding on them.
- 7.3 In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids.

Signature of Bidder

C. PREPARATION OF BIDS

- 8. Language of Bid:**
- 8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in English or Hindi language. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in English or Hindi in which case, for purposes of interpretation of the Bid, the translation shall govern.
- 9. Documents Comprising / Constituting the Bid:**
- 9.1 The bid prepared by the Bidder shall comprise the following components:
A] TECHNICAL BID: shall comprise all the documents & bid security as stipulated in bid document.
B] FINANCIAL BID: shall comprise the following components:
 (a) Bid Form and a Price Schedule completed in accordance with ITB Clauses 10, 11 and 12
- 10. Bid Form:**
- 10.1 The bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity and prices.
- 11. Bid Prices:**
- 11.1 The Bidder shall indicate on the Price Schedule the unit prices and total bid prices of the goods it proposes to supply under the Contract. To this end, the Bidders are allowed the option to submit the bids for any one or more schedules specified in the 'Schedule of Requirements' and to offer discounts for combined schedules. However, Bidders shall quote for the complete requirements of goods and services specified under each schedule or part of schedule on a single responsibility basis failing which such bids may not be taken into account for evaluation and may not be considered for award.
- 11.2 Prices indicated on the Price Schedule shall be entered on FOR basis in the following manner;
- (i) the price of the goods quoted shall be on FOR basis , including all customs duties and sales and other taxes already paid or payable.
 - (ii) any Indian duties, sales and other taxes which will be payable on the goods if this Contract is awarded.
 - (iii) the price for inland transportation, insurance, and other local costs incidental to delivery of the goods to their final destination, and
 - (iv) the price of other (incidental) services listed in Clause 8 of the Special Conditions of Contract.
- 11.3 The Bidder's separation of the price components in accordance with ITB Clause 11.2 above will be solely for the purpose of facilitating the comparison of bids by the Purchaser and will not in any way limit the Purchaser's right to contract on any of the terms offered.
- 11.4 **Fixed Price:**
 Prices quoted by the Bidder shall be fixed during the Bidder's performance of Contract and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.
- 12. Bid Currencies:**
- 12.1 Prices shall be quoted in Indian Rupees only.
- 13. Bid security:**
- 13.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its technical bid, a bid security in the amount as specified in the bid document.
- 13.2 The bid security is required to protect the Purchaser against the risk of Bidder's conduct, which would warrant the security's forfeiture, pursuant to ITB Clause 13.7.
- 13.3 The bid security shall be denominated in Indian Rupees and shall :
- (a) at the bidder's option, be in the form of either a demand draft or a bank guarantee or FDR or Bankers Cheque or pay order from a nationalized/Scheduled bank located in India or by a reputable banking institution selected by the bidder and located abroad in any eligible country;
 - (b) be substantially in accordance with one of the form of bid security included in Section VIII or other form approved by the Purchaser prior to bid submission;
 - (c) be payable promptly upon written demand by the purchaser in case any of the conditions listed in ITB Clause 13.8 are invoked;
 - (d) be submitted in its original form; copies will not be accepted; and
 - (e) remain valid for a period of 60 days beyond the original validity period of bids, or beyond any period of extension subsequently requested under ITB Clause 14;
- 13.4 Any bid not secured in accordance with ITB Clauses 13.3 will be rejected by the Purchaser.
- 13.5 Unsuccessful bidder's bid securities will be discharged or returned as promptly as possible but not later than 60 days after the expiration of the period of bid validity prescribed by the Purchaser, pursuant to ITB Clause 14.
- 13.6 The successful Bidder's bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 29, and furnishing the performance security, pursuant to ITB Clause 30.
- 13.7 Where the Bidder has quoted for more than one schedule, if the bid security furnished is inadequate for all the schedules/ part of Schedule, the Purchaser shall take the price bid into account only to the extent the bid is secured. For this purpose, the extent to which the bid is secured shall be determined by evaluating the requirement of bid security to be furnished for the schedule included in the bid (offer) in the serial order of the Schedule of Requirements of the Bidding document.

Signature of Bidder

- 13.8 The bid security may be forfeited:
- (a) if a Bidder (i) withdraws its bids during the period of bid validity specified in the bid document; or
 - (b) in case of a successful Bidder, if the Bidder fails:
 - (i) to sign the Contract in accordance with ITB Clause 29; or
 - (ii) to furnish performance security in accordance with ITB Clause 30.
- 14. Period of Validity of Bids:**
- 14.1 Bids shall remain valid for 180 days after the deadline for submission of bids prescribed by the Purchaser. **A bid valid for a shorter period shall be rejected by the Purchaser considering it as non-responsive.**
- 14.2 In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing (or by cable). The bid security shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in ITB Clause 14.3 hereinafter.
- 14.3 In case of fixed prices contract, in the event that the Purchaser requests and the Bidder agrees to an extension of the validity period, the contract price, if the Bidder is selected for award shall be the bid price corrected as follows:
The price shall be increased by the factor [Country's Projected Inflation for the period in question] for each week that has elapsed from the expiration of the initial bid validity to the date of notification of award to the successful bidder.
- 14.4 Bid evaluation will be based on the bid prices including all taxes, levies & all other incidentals without taking into consideration the above corrections.
- 15. Format and Signing of Bid:**
- 15.1 The Bidder may prepare two copies of the bid, clearly marking each "ORIGINAL BID" & "COPY BID" each having one set of TECHNICAL BID & one set of FINANCIAL BID. In the event of any discrepancy between them, the original shall govern.
- 15.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. The authorization letter shall be indicated by written power-of-attorney accompanying the bid. All pages of the bid, except for un-amended printed literature, shall be initiated by the person or persons signing the bid.
- 15.3 Any interlineations, erasures or overwriting shall be valid only if they are initialized by the persons or persons signing the bid.
- 15.4 The Bidder shall furnish information as described in the Bid Form on commissions of gratuities, if any, paid or to be paid to agents relating to this Bid, and to contact execution if the Bidder is awarded the contract.
- 15.5 The bidder should submit the entire documents (Technical Bid & Finance Bid) with all the pages of document duly signed.
- D. SUBMISSION OF BIDS**
- 16. Sealing and Marking of Bids:**
- 16.1 The Bidders shall seal the original and copy of the bid in separate envelopes, duly marking the envelopes as "ORIGINAL BID" (having one set of Technical Bid & one set of Financial Bid in separate sealed envelopes clearly marked as "Technical Bid" & "Financial Bid" over the sealed Envelop along with Name of the Project, Name of the Firm, Opening Date & Time) and "COPY BID" (having one set of Technical Bid & one set of Financial Bid in separate sealed envelopes clearly marked as "Technical Bid" & "Financial Bid" over the sealed Envelop along with "Bid for the Supply of Items mentioned in Schedule No. of IFB No., Name & Address of Bidder, Opening Date & Time"). All envelopes should have "Bid for the Supply of Items mentioned in Schedule No. of IFB No., Name & Address of Bidder, Opening Date & Time".
- 16.2 All envelopes shall be addressed to the Purchaser at the following address:
Chief Executive Officer, Uttarakhand Livestock Development Board,
Tea Estate, Banjarawala, Near Vidhyut Substation, P.O. Banjarawala, Dehradun (Uttarakhand)
- 16.3 All envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened.
- 16.4 If the outer envelope is not sealed and marked as required by ITB Clause 16.1; 16.2 & 16.3, the Purchaser will assume no responsibility for the bid's misplacement or premature opening.
- 16.5 Telex, cable or facsimile bids will be rejected.
- 17. Deadline for Submission of Bids:**
- 17.1 Bids must be received by the Purchaser at the address specified under ITB Clause 16.2 no later than the time and date specified in the bid document. In the event of the specified date for the submission of Bids being declared a holiday for the Purchaser, the Bids will be received upto the appointed time on the next working day.
- 17.2 The Purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bid documents in accordance with ITB Clause 7, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
- 18. Late Bids:**
- 18.1 Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser, pursuant to ITB Clause 17, will be rejected and returned unopened to the Bidder.

Signature of Bidder

19. Modification and Withdrawal of Bids:

- 19.1 The Bidder may modify or withdraw its bid after the bid's submission, provided that written notice of the modification or withdrawal is received by the Purchaser prior to the deadline prescribed for submission of bids.
- 19.2 The Bidder's modification or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provisions of ITB Clause 16. A withdrawal notice may also be sent by cable, but followed by a signed confirmation copy, post marked not later than the deadline for submission of bids.
- 19.3 Bid shall not be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal of a bid during, this interval may result in the Bidder's forfeiture of its bid security, pursuant to the ITB Clause 13.

E. BID OPENING AND EVALUATION OF BIDS**20. Opening of Bids by the Purchaser:**

- 20.1 The Purchaser will open all bids marked as **Technical Bids**, in the presence of Bidder's representatives who choose to attend at stipulated date & time on the following location:

Office of the Chief Executive Officer,
Uttarakhand Livestock Development Board, Tea Estate, Banjarawala, Near Vidhyut Substation, P.O.
Banjarawala, Dehradun, Uttarakhand

The Bidders representative who are present shall sign a register evidencing their attendance. In event of the specified date of Bid opening being declared a holiday for the Purchaser, the Bids shall be opened at the appointed time and location on the next working day.

Financial bids of Bidders whose bids are found technically suitable, only will be opened (the date of opening of Financial bids will be communicated to the technically successful bidders). The decision of the committee on technical suitability shall be final and shall not be open for discussion.

- 20.2 The bidders names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder.
- 20.3 Bids (and modifications sent pursuant to ITB Clause 19) that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances. Withdrawn bids will be returned unopened to the bidders.
- 20.4 The Purchaser will prepare minutes of the bid opening.

21. Clarification of Bids

- 21.1 During evaluation of bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered and permitted.

22. Evaluation and Comparison of Bids:

- 22.1 **Technical Bid Evaluation Criteria:** The technical bids found without cost of bid document (in case of downloaded bids) & bid security as stipulated in the bid document shall be straight way rejected, without specifying any reason. Further Technical Bid shall be evaluated by the Committee for different parameters & based on evaluation each bid shall be given a technical score in the manner as detailed below in scoring table:

S. No.	Evaluation Criteria	Allocated Maximum Marks
1	Past Experience conforming to qualification criteria as per Section VI A of bid document	20
2	Audited Balance Sheet (1/2/3 Year)	3/6/10
3	Bidders Profile along with Proof of PAN No./ TIN No.	5
4	BIS / ISI/ ISO certification	10
5	Technical Details conforming to the bid & literatures of the items	20
6	Delivery Schedule	5
7	Evaluation Report of samples* (wherever required)	30
Total		100

NB: Samples shall be evaluated by the committee comprising 03 Officials of the user cell/ section of ULDB & Quality Control Officer or the ULDB shall take the services of third party for evaluation of samples
The samples shall be either considered as Qualified or Unqualified depending on Quality

22.2 Evaluation of Financial bids: Financial Bid shall be evaluated on each Schedule/ Part of Schedule basis separately.

- All the taxes and other levies indicated in the Financial Bid will be taken for the Financial Bid evaluation.
- The Bidder quoting the lowest price (L1) will be selected for the award of contract.
- However, ULDB does not bind itself in any way to select the bidder(s) offering the lowest price.

- 23. Domestic Preference:** The domestic preference should be given to the Bidders in accordance to the Uttarakhand Procurement Rules 2008 only upon submission of relevant documentary proofs.

Signature of Bidder

24. Contacting the Purchaser:

- 24.1 Subject to ITB Clause 21, no Bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded. If the bidder wishes to bring additional information to the notice of the purchaser, it should do so in writing.
- 24.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison or contract award may result in rejection of the bid.

F. AWARD OF CONTRACT**25. Award Criteria:**

- 25.1 Subject to ITB Clause 27, the Purchaser will award the Contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

26. Purchaser's right to vary Quantities at Time of Award:

- 26.1 The Purchaser reserves the right to increase or decrease by upto 25 percentage of the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

27. Purchaser's Right to accept any bid and to reject any or all bids:

- 27.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected Bidder or bidders.

28. Notification of Award:

- 28.1 Prior to the expiration of the period of bid validity, the Purchaser will notify the successful bidder in writing by registered letter or by cable, to be confirmed in writing by registered letter, that its bid has been accepted.
- 28.2 The notification of award will constitute the formation of the Contract.
- 28.3 Upon the successful Bidder's furnishing of performance security pursuant to ITB Clause 30, the Purchaser will discharge its bid security, pursuant to ITB Clause 13.
- 28.4 If, after notification of award, a Bidder wishes to ascertain the grounds on which its bid was not selected, it should address it's request to the Purchaser. The Purchaser will promptly respond in writing to the unsuccessful Bidder.

29. Signing of Contract:

- 29.1 At the same time as the Purchaser notifies the successful bidder that its bid has been accepted, the Purchaser will send the bidder the Contract Form, incorporating the agreement to be signed between the parties.
- 29.2 Within thirty (30) days of receipt of the Contract Form, the successful bidder shall sign and date the Contract and return it to the Purchaser.

30. Performance Security:

- 30.1 Within thirty (30) days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents or in another form acceptable to the Purchaser.
- 30.2 Failure of the successful bidder to comply with requirement of ITB Clause 29.2 or ITB Clause 30.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Purchaser may make the award to the next lowest evaluated bidder or call for new bids.

31. Corrupt or Fraudulent Practices

- 31.1 The CPMU requires that Bidders/ Suppliers/ Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Board:
- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and
 - (ii) "fraudulent practices" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition
 - (b) will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
 - (c) will declare a firm ineligible, either indefinitely or for a stated period of time,

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SECTION III : GENERAL CONDITIONS OF CONTRACT
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GENERAL CONDITIONS OF CONTRACT

1. Definitions:

1.1 In this Contract, the following terms shall be interpreted as indicated:

- (a) "The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein;
- (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations;
- (c) "The Goods" means all the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract;
- (d) "The Services" means services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training and other obligations of the Supplier covered under the Contract;
- (e) "GCC" means the General Conditions of Contract contained in this section.
- (f) "SCC" means the Special Conditions of Contract.
- (g) "The Purchaser" means the organization purchasing the Goods, as named in SCC.
- (h) "The Supplier" means the individual or firm supplying the Goods and Services under this Contract
- (i) "Central Project Management Unit-CPMU" means Uttarakhand Livestock Development Board, Dehradun.
- (j) "The Project Site", where applicable, means the place or places mentioned in bid document.
- (k) "Day" means calendar days.

2. Application:

2.1 These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

3. Country of Origin:

3.1 All Goods and Services supplied under the Contract shall have their origin in the member countries and territories eligible under the rules of GoI.

3.2 For purposes of this Clause "origin" means the place where the Goods are mined, grown and produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembling of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

3.3 The origin of Goods and Services may be distinct from the nationality of the Supplier.

4. Standards:

4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specification, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods country of origin and such standards shall be the latest issued by the concerned institution.

5. Use of Contract Documents and Information; Inspection and Audit by the Board:

5.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2 The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.

5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.

5.4 The supplier shall permit the Board to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Board, if so required by the Board.

6. Patent Rights:

6.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in the Purchaser's country.

7. Performance Security:

7.1 Within thirty (30) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Purchaser the performance security in the amount specified in SCC.

7.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

7.3 The Performance Security shall be denominated in Indian Rupees and shall be in one of the following forms:

- (a) A bank guarantee or FDR or Bankers Cheque or Pay Order issued by a nationalized/scheduled bank located in India or a bank located abroad acceptable to the Purchaser, in the form provided in the bidding documents or another form acceptable to the Purchaser; or
- (b) A demand draft.

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- 7.4 The performance security will be discharged by the Purchaser and returned to the Supplier on written request of the supplier after completion of the Supplier's performance obligations, under the Contract, including any warranty obligations.
- 8. Inspection and Tests:**
- 8.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. SCC and the Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes.
- 8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery and/or at the Goods final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data shall be furnished to the inspectors at no charge to the Purchaser.
- 8.3 If any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.
- 8.4 The Purchaser's right to inspect, test and, wherever necessary, reject the Goods after the Goods arrival at the Project Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representatives prior to the Goods shipment.
- 8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.
- 9. Packing:**
- 9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, tough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract including additional requirements, if any, specified in SCC and in any subsequent instructions ordered by the Purchaser.
- 10. Delivery and Documents:**
- 10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the schedule of Requirements. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.
- 11. Insurance:**
- 11.1 The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in SCC.
- 12. Transportation:**
- 12.1 Where the Supplier is required under the Contract to transport the Goods to a specified place of destination within India defined as Project site, transport to such place of destination in India including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier and the related cost shall be included in the Contract Price.
- 13. Incidental Services:**
- 13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of the on-site assembly and/or start-up of the supplied Goods;
 - (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
 - (c) furnishing of detailed operations and maintenance manual for each appropriate unit of supplied Goods;
 - (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
 - (e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods.
- 13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.
- 14. Spare Parts**
- The Bidders will have to furnish the details of spare parts required along with the rate in the bid document.
- 15. Warranty:**
- 15.1 The Supplier warrants that the Goods supplied under this Contract are new, unused, of the most recent or current models and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

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- 15.2 This warranty shall remain valid for 24 months after the Goods or any portion thereof as the case may be, have been delivered & commissioned to and accepted at the final destination indicated in the Contract.
- 15.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without cost to the Purchaser other than, where applicable & agreed by the Purchaser, the cost of inland delivery of the repaired or replaced Goods or parts from ex-works or ex-factory or ex-showroom to the final destination.
- 15.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.
- 16. Payment:**
- 16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in the SCC.
- 16.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents, submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the contract.
- 16.3 Payments shall be made within sixty (60) days after submission of the invoice or claim by the Supplier & verification by the user.
- 16.4 Payment will be made in Indian Rupees.
- 17. Prices:**
- 17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in SCC or in the Purchaser's request for bid validity extension, as the case may be.
- 18. Change Orders:**
- 18.1 The Purchaser may at any time, by written notice given to the Supplier, make changes within the general scope of the Contract in any one or more of the following:
- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
 - (b) the method of shipping or packing;
 - (c) the place of delivery; and/or
 - (d) the Services to be provided by the Supplier;
- 18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of Supplier's receipt of the Purchaser's change order.
- 19. Contract Amendments:**
- 19.1 Subject to GCC Clause 18, no variations in or modifications of the terms of the Contract shall be made except by written amendment signed by the parties.
- 20. Assignment:**
- 20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.
- 21. Subcontracts:**
- 21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in his original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.
- 21.2 Subcontracts must comply with the provisions of GCC Clause 3.
- 22. Delays in the Supplier's Performance:**
- 22.1 Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified in the Schedule of Requirements
- 22.2 If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by written notices & contract amendment.
- 22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.
- 23. Liquidated Damages:**
- 23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct

from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the Percentage specified in SCC. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 24.

24. Termination for Default:

24.1 The Purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, terminate the Contract in whole or part.

- (a) if the supplier fails to deliver any or all of the Goods within the period (s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 22; or
- (b) if the supplier fails to perform any other obligation(s) under the Contract.
- (c) if the supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this Clause:

"corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

"fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Board, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Board of the benefits of free and open competition.

24.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.

25. Force Majeure:

25.1 Notwithstanding the provisions of GCC Clauses 22, 23, 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

25.2 For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolution, fires, floods, epidemics, quarantine restrictions and freight embargoes.

25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

26. Termination for Insolvency:

26.1 The purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

27. Termination for Convenience:

27.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

27.2 The Goods that are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

28. Settlement/ Resolution of Disputes:

28.1 The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the contract.

28.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as per Indian Laws, as to the matter of dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

28.2.1 Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with the Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

28.2.2 Arbitration proceedings shall be conducted in accordance with the Indian Laws

28.2.3 Only local court (Dehradun) shall have jurisdiction of dispute

28.3 Notwithstanding any reference to arbitration herein;

(a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and

(b) the Purchaser shall pay the Supplier any money due the Supplier.

29. Limitation of Liability:

29.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement

(a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser; and

(b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

30. Governing Language:

30.1 The contract shall be written in English language. Subject to GCC Clause 30, English / Hindi language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

31. Applicable Law:

31.1 The Contract shall be interpreted in accordance with the laws of the Union of India.

32. Notices:

32.1 Any notice given by the one party to the other pursuant to this Contract shall be sent to other party in writing or by cable, telex or facsimile and confirmed in writing to the other Party's address specified in SCC.

32.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

33. Taxes and Duties:

33.1 The Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi & other requirements etc., incurred until delivery of the contracted Goods to the Purchaser.

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SECTION IV : SPECIAL CONDITIONS OF CONTRACT**TABLE OF CLAUSES**

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SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the General Conditions is indicated in parentheses.

1. **Definitions (GCC Clause 1):**

- (a) The Purchaser is Chief Executive Officer, ULDB, Dehradun
 (b) The Supplier is

2. **Country of Origin (GCC Clause 3):**

All countries and territories eligible & approved by Government of India to perform Works and Services in India.

3. **Performance Security (GCC Clause 7):**

- 3.1 Within 30 days after the Supplier's receipt for Notification of Award, the Supplier shall furnish Performance Security to the Purchaser for an amount as detailed below, valid up to 60 days after the date of completion of performance obligations including warranty obligations:

S. No.	Schedule No.	Performance Security
1	ONE, TWO PART B; SEVEN, EIGHT & THIRTEEN	6% of Net Quoted Price
2	TWO PART A; TWO PART C; THREE; FOUR; FIVE; SIX; NINE; ELEVEN & TWELVE	8% of Net Quoted Price
3	TEN	₹1,00,000.00

In the event of any corrected of defects or replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 24 month

- 3.2 Substitute Clause 7.3(b) of the GCC by the following:

A crossed demand draft or pay order drawn in favour of ULDB, payable at Dehradun.

- 3.3 Substitute Clause 7.4 of the GCC by the following:

The Performance Security will be discharged by the Purchaser and returned to the Supplier on written notice of the Supplier 60 days following the date of completion of the Supplier's performance obligations, including the warranty obligation, under the contract.

- 3.4 Add as Clause 7.5 to the GCC the following:

In the event of any contract amendment, the Supplier shall, within 21 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract, as amended for 60 days after the completion of performance obligations including warranty obligations.

4. **Inspection and Tests (GCC Clause 8):**

The inspection and tests shall be carried out by an independent agency or departmental committee appointed by the purchaser and the inspections charges shall be paid by the purchaser.

5. **Packing (GCC Clause 9):**

Add as Clause 9.3 of the GCC the following:

Packing Instructions: The Supplier will be required to make separate packages for each Consignee. Each package will be marked on three sides with proper paint/indelible ink, the following:

- i) Project ii) Contract No. iii) Country of Origin of Goods iv) Supplier's Name, and v) Packing list reference number.

6. **Delivery and Documents (GCC Clause 10):**

- (a) *For Goods supplied from abroad:*

Upon delivery of the Goods, the supplier shall notify the purchaser and the insurance company by cable/telex/fax the full details of the shipment including contract number, railway receipt number and date, description of goods, quantity, name of the consignee etc. The supplier shall mail the following documents to the purchaser with a copy to the insurance company:

- (i) 4 Copies of the Supplier invoice showing contract number, goods' description, quantity, unit price, total amount;
 (ii) Railway receipt/acknowledgment of receipt of goods from the consignee(s);
 (iii) 4 Copies of packing list identifying the contents of each package;
 (iv) Insurance Certificate;
 (v) Manufacturer's/Supplier's warranty certificate;
 (vi) Inspection Certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and
 (vii) Certificate of Origin;

The above document shall be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.

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7. **Insurance (GCC Clause 11):**
The insurance shall be in an amount equal to 110 percent of the CIF or CIP value of the Goods from “Warehouse to warehouse (final destination)” on “All Risks” basic including War Risks and Strikes.
8. **Incidental Services (GCC Clause 13):**
No additional services other than covered under Clause 13 of GCC.
9. **Spare Parts (GCC Clause 14):**
Add as Clause 14 to the GCC the following:
Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be promptly as possible but in any case within 15 days of placement of order.
10. **Warranty (GCC Clause 15):**
- (i) G.C.C. Clause 15.2
The warranty period shall be 24 months from date of acceptance of goods. The Supplier shall, in addition, comply with the performance &/or consumption guarantees specified under the contract. If for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall at its discretion either;
- (a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC 4;
- (b) Substitute Clause 15.4 of the GCC by the following:
"Upon receipt of such notice, the Supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts /goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter.
In the event of any correction of defects or replacement of defective material during the warranty period, the warranty **for the corrected/ replaced material shall be extended to a further period of 24 months.**"
- (ii) GCC Clauses 15.4 and 15.5:
The period for correction of defects in the warranty period is 15 days.
11. **Payment (GCC Clause 16):**
Payment for goods and services shall be made in Indian Rupees after receipt of goods & or services.
- (i) **Advance Payment:** Deleted
12. **Prices (GCC Clause 17):**
Prices payable to the supplier as stated in the contract shall be firm during the performance of the contract.
13. **Sub-contracts (GCC Clause 21):**
Add at the end of GCC sub-clause 21.1 the following:
Sub-contract shall be only for bought-out item and sub-assemblies
14. **Liquidated Damages (GCC Clause 23):**
- 14.1 For delays :
GCC Clause 23.1 -- The applicable rate is 0.5% per week and the maximum deduction is 10% of the contract price after that the contract shall be treated as cancelled & the performance security deposited by the supplier will be forfeited.
15. **Notices (Clause 32):**
For the purpose of all notices, the following shall be the address of the Purchaser and Supplier.
Purchaser: Chief Executive Officer, Uttarakhand Livestock Development Board,
Tea Estate, Banjarawala, Near Vidhyut Substation, P.O. Banjarawala, Dehradun –
Uttarakhand
Supplier: (To be filled in at the time of Contract signature)
.....
16. **Supplier shall regularly intimate progress of supply, in writing, to the purchaser as under:**
- Quantity offered for inspection and date & Quantity accepted/rejected by inspecting agency and date;
 - Quantity dispatched /delivered to consignees and date;
 - Quantity where incidental services have been satisfactorily completed with date;
 - Quantity where rectification/repair/replacement effected/completed on receipt of any communication from consignee/Purchaser with date;
 - Date of completion of entire Contract including incidental services, if any; and
 - Date of receipt of entire payments under the Contract

Signature of Bidder

SECTION V: SCHEDULE OF REQUIREMENTS**Note:**

1. The date of delivery means the dates when goods are delivered to the consignee
2. The supplier shall be responsible for safe delivery of the goods up to consignee's store.
3. The delivery schedule will start from the date of placement of order.

Schedule No.	Part/ S. No.	Brief Description of Item	Qty.	Bid Security	Delivery Schedule
ONE		Non Pressurized LN2 Container			
	1	3 Liter Semen Storage Type Non Pressurized LN2 Container	100 No.	₹75,000.00	Two Month from the Date of Order
	2	35 Liter Semen Storage Type Non Pressurized LN2 Container	100 No.		
	3	47 Liter Semen Storage Type Non Pressurized LN2 Container	10 No.		
	4	55 Liter LN2 Transportation Type Non-Pressurized Vessels	100 No.		
TWO		Artificial Insemination (A.I.) Kit			
	A	Universal A.I. Gun	1000 No.	₹5,000.00	Two Month from the Date of Order
	B	A.I. Sheath & Sleeves			
	1	Universal A.I. Sheath	10,00,000 No.	₹30,000.00	
	2	Disposable PVC Sleeves	10,00,000 No.		
	C	Stainless Steel Thermos Flask	500 No.	₹5,000.00	
THREE	1	Vertical Autoclave	01 No.	₹5,000.00	Two Month from the Date of Order
	2	Vortex Machine	01 No.		
FOUR	1	CO2 Incubator	01 No.	₹15,000.00	Two Month from the Date of Order
FIVE	1	Semi Automatic Gas Sterilizer (Ethylene Oxide Sterilizer) with Consumables	01 No.	₹15,000.00	Two Month from the Date of Order
SIX	1	Dispenser for dispensing extender in bull (cattle and buffalo) semen production, control unit with balance, pump with stand tubing and sinker	01 No.	₹15,000.00	Two Month from the Date of Order
SEVEN	1	Automatic Filling & Sealing Machine	01 No.	₹1,00,000.00	Two Month from the Date of Order
EIGHT	1	Flow Cytometer for QC of Bovine Semen	01 No.	₹1,00,000.00	Two Month from the Date of Order
NINE	1	Stainless Steel Insulated Liquid Nitrogen Container & Vapor Freezing Unit With Scissor Lift Cart	01 No.	₹15,000.00	Two Month from the Date of Order
TEN	1	Rate Contract for Round the Year supply of Liquid Nitrogen for Artificial Insemination Program of Uttarakhand	Approx. 5,00,000 Liter	₹25,000.00	Within 24 hrs. of placement of Demand
ELEVEN	1	Molded Plastic Storage Pallet	195 No.	₹10,000.00	Two Month from the Date of Order
TWELVE	1	Castrator for Large Animals	100 No.	₹20,000.00	Two Month from the Date of Order
THIRTEEN	1	Empty Sterilized French Mini Deep Frozen Semen Straw	20,00,000 No.	₹50,000.00	One Month from the Date of Order

List of Consignee:

1. Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, P.O. Gumaniwala, Rishikesh, District-Dehradun, Uttarakhand
2. Addl. Manager (Fodder Bank), ULDB Fodder Bank, Koti Kalsi Road, Kalsi, Dehradun, Uttarakhand
3. Deputy Manager (Semen Bank), ULDB Semen Bank, Campus of Government Veterinary Hospital, Lalkuan, Nainital
4. Deputy Manager (ET), Embryo Biotechnology Center, Animal Breeding Farm, Kalsi, Dehradun, Uttarakhand

Signature of Bidder

SECTION VI: TECHNICAL SPECIFICATIONS**Notes for Preparing the Technical Specifications**

In the specifications of standards for equipment, materials, and workmanship, recognized national & international standards are used. The specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable.

Sample Clause: Equivalency of Standards and Codes

Where reference is made in the Technical Specification to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest current edition or revision of the relevant standards or codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number is avoided as far as possible; where unavoidable they should be followed by the words " or at least equivalent".

Where appropriate, drawings including site plans as required may be furnished by the Purchaser with the bidding documents. Similarly the Supplier may be requested to provide drawings with its bid for prior review by the Purchaser during contract execution.

Signature of Bidder

TECHNICAL SPECIFICATIONS

SCHEDULE: ONE:

TECHNICAL SPECIFICATION OF NON PRESSURIZED LIQUID NITROGEN CONTAINERS:

[N.B. Equipment under this schedule should conform to ISO 9001:2000/ ISO 9001:2008 certification standards & BIS Certification Standards, a proof of which shall have to be submitted along with the Technical Bid]

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical Bid.

- i. The liquid nitrogen containers as mentioned in hereinafter are required for the storage of LN2 & deep frozen semen.
- ii. The containers offered should be new.
- iii. The liquid nitrogen containers should be suitable for cryogenic application. For the selection of the material, process of manufacturing, testing, sampling should conform to IS:11552-1986/ BIS & ISO 9001:2000/ ISO 9001:2008 with latest amendments or any other equivalent internationally accepted codes.

CAPACITY OF CONTAINERS:

S. No.	Type of Container	Capacity	Qty.
i.	Semen Storage Type Non Pressurized LN2 Container	03 liter	100 Nos.
ii.	Semen Storage Type Non Pressurized LN2 Container	35 liter	100 Nos.
iii.	Semen Storage Type Non Pressurized LN2 Container	47 liter	10 Nos.
iv.	LN2 Transportation Type Non– Pressurized Vessels	55 liter	100 Nos.

Following tolerance in the capacity of containers shall be acceptable :

S. No.	Type of Containers & capacity	Minimum	Maximum
i	03 liter Semen Storage Type Non Pressurized LN2 Container	2.5 liter	4.2 liter
ii.	35 liters Semen Storage Type Non Pressurized LN2 Container	32 liter	36 liter
iii.	47 liters Semen Storage Type Non Pressurized LN2 Container	46 liter	48 liter
iv.	55 liters LN2 Transportation Type Non– Pressurized Vessels	50 liter	55 liter

MATERIAL OF CONSTRUCTION

1. For the 03, 35,47 & 55 liter containers (inner and outer containers) shall be manufactured out of austenitic stainless steel conforming to AISI-304 or any other equivalent code or out of aluminum alloys conforming to AISI-5052 or IS:737 or any other equivalent code suitable for cryogenic application.
2. Containers shall be insulated by using multi layer super insulation technique and the insulation material used shall have resistance against conductive and radioactive heat transfer.
3. The annular space should be provided with suitable type and adequate quantity of absorber material to ensure maintenance of quality vacuum. After evacuating the annular space to the desired vacuum level, the pump out port on the outer shell shall be provided with suitable vacuum seal and a protective cap.

OTHER FEATURES:

1. **HANDLE:** The containers should be provided with lifting handle of suitable design.
2. **TOP LID:** The containers should be provided with neck plug of stainless steel/ polycarbonate cap. The lids must not be fixed with bolts to the neck plug but fixed with non conducting adhesive material. The internal cork of lid should be of adequate length & should bear same no. of grooves as the no. of canisters for 3, 35 & 47 liter capacity. The top lid for 55 lit container should not have any grooves..
3. **CANISTERS:** Each canister shall have a suitable handle popping up for getting accommodated on the stopper grooves. The material of the canister shall be AISI 304 for cryogenic application.

Signature of Bidder

Details of canisters & capacities should be as under:

S. No.	Particulars	Unit	03 Liter	35 Liter	47 Liter	55 Liter
i.	Number of Canister	No.	6	6	11	-
ii.	Outer Diameter	mm.	35-38	35-38	70-74	-
iii.	Height	mm.	120	120	280	-
iv.	Straw Holding Capacity 0.25 ml Straw	No.	1560	1560	17000-18000	-

Note: Variations of 2% is permissible in the above parameters

- 4. RUBBER PROTECTION RING:** 35, 47 & 55 liter containers will be protected with 2 No. of rubber protection rings and a bottom pad. **The containers should be supplied with prefixed bottom rings & pad. A separate consignment of rings & pads will not be entertained.**
- 5. CONTAINER PROTECTION JACKET:** The 03 Liter Vessels are required to be supplied with container protection jacket of good durable material with suitable & adequate cushioning material as lining both from the bottom as well as the sides

TESTING:**i. EVAPORATION LOSS TEST AND STATIC HOLDING TIME:**

Containers shall be put to evaporation loss test as per the procedure prescribed in the Indian Standard IS:11552-1986 with latest amendments.

The evaporation loss of such containers shall be within the following maximum limits at normal temperature and pressure conditions after specified tests.

S. No.	Capacity of Containers in liters	Static Evaporation Rate	Static Holding Time [Days]
1	03 Liter	Less than or equal to 0.15 liter/day	Minimum 29 days
2	35 Liter	Less than or equal to 0.118 liter/day	Minimum 282 days
3	47 Liter	Less than or equal to 0.38 liter/day	Minimum 124 days
4	55 Liter	Less than or equal to 0.43 liter/day	Minimum 120 days

Note: Variation of 2% is permissible in the above parameters.

ii. PRESSURE TEST

Internal pressure test shall be conducted on the containers as per the norms prescribed in the standards followed.

iii. Mass Spectrophotometer Leak Detection (MSLD) test on 100% containers shall be conducted to ensure leak proof ness of the vessel.

NOTE: Test certificates in respect of the above shall be furnished by the manufacturer along with each supply.

7. MARKING:

Each container shall have the following markings at the appropriate place:

- Logo & Name of ULDB painted with polyurethererane paint.
- Manufacture's Name & Trade Mark
- Model Number
- Serial Number

8. Each Container shall be supplied with warrantee card along with the following information:

- Empty Weight
- Full Weight.
- Date of Test
- Static Evaporation rate test report.

Signature of Bidder

9. PACKING:

- i.** Each container shall be suitably packed to withstand the transport hazards and should protect the container from any sort of dent/damage etc.
- ii.** Each packaging box should bear the exact identification & model no. of the container packed in the box
- iii.** Each container should be supplied with calibration chart for measurement of liquid nitrogen of the container

Address of Consignee:

Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, Post: Gumaniwala, Rishikesh, Dehradun, Uttarakhand

Deputy Manager (semen Bank), ULDB Semen Bank, Campus of Government Veterinary Hospital, Lalkuan, Nainital, Uttarakhand

Deliver Schedule: With in two months from the date of Order.

Signature of Bidder

QUESTIONNAIRE TO BE FILLED BY THE BIDDERS
Information to be given for all types of LN2 containers quoted: [03, 35,55 liters]

- 1 Name/ Manufacturer's Name
- 2 Model No.
- 3 Ref. of Standard/ Code followed in Selection of
 - i Material
 - ii. Fabrication
 - iii. Testing
- 4 a. Material of construction of
 - i. Inner Vessel
 - ii. Outer Vessel
- 4 b. Code/ Standard to which these Material Types adheres to
- 5 Insulation Material Type
 - a Vacuum Level of Annular Space at ambient temperature
 - b Is Vacuum Port provided on the outer shell?
 - c Is Protective Cap provided on the top?
 - d Are the lifters provided with Storage Type & Transport Type Vessels?
- 6 Testing
 - a Norms of Evaporation Test
 - b Norms of Pressure Test
 - c Norms of MSLD Test
 - d Details of Test Certificates to be provided
- 7 Marking: Details of markings in each vessel
- 8 Technical Specification
Complete the table below

S. No.	Characteristics	Unit	Liquid Nitrogen Container			
			03 lit	35 lit.	47 lit.	55 lit.
1.	Capacity	Liter				
2.	Model No.					
3.	Empty Weight	Kg				
4.	Full Weight	Kg				
5.	Outer Diameter	mm				
6.	Height	mm				
7.	Static Evaporation Loss	liters/day				
8.	Static Holding Time	days				

Note: Attach technical literature of the offered models and relevant information.

Signature of Bidder

SCHEDULE: TWO: PART:A –**TECHNICAL SPECIFICATIONS FOR UNIVERSAL ARTIFICIAL INSEMINATION GUN: 1000 NO.**

[N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.

- Universal Artificial Insemination Gun should be manufactured out of stainless steel conforming to AS-304.
- The A.I. Gun should be individually packed in a container made from waterproof washable parachute material and should have logo and name of ULDB printed over it.
- The A.I. Gun should have a suitable locking mechanism for holding the A.I. Gun in place.
- The A.I. Gun should be compatible for using French Mini, French Medium & German Straws

Sample of the item quoted must accompany the technical bid.

Address of Consignee: Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, Post: Gumaniwala, Rishikesh, Dehradun, Uttarakhan

Delivery Schedule: Within Two Months from the date of order.

SCHEDULE: TWO: PART: B-**TECHNICAL SPECIFICATION OF ARTIFICIAL INSEMINATION SHEATH & SLEEVES:**

N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.

1. TECHNICAL SPECIFICATION FOR UNIVERSAL AI SHEATH: 10,00,000 Nos. (50 x 20000)

- Made from high quality PVC material, non toxic to spermatozoa
- The sheath should be individually packed in sterilized pack
- Each pack should contain 50 individually packaged Universal AI Sheath
- The sheath should be beaded & should not be split at one end

Sample of the item quoted must accompany the Technical Bid

2. TECHNICAL SPECIFICATION FOR DISPOSABLE PVC SLEEVES: 10,00,000 Nos. (100 x 10000)

- The sleeves should be of shoulder length with five fingers and made from high quality PVC
- Must be packed in packs of 100 sleeves.
- Sealing of the ends of all fingers should be smooth along with sides so that it does not damage the rectal mucosa.
- The sleeves should not burst or leaked while ballooning

Sample of the item quoted must accompany the Technical Bid

Address of Consignee: Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, Post: Gumaniwala, Rishikesh, Dehradun, Uttarakhand

Deliver Schedule: Within Two month from the date of Order.

SCHEDULE: TWO: PART:C –**TECHNICAL SPECIFICATIONS FOR STAINLESS STEEL THERMOS FLASK: 500 NO.**

[N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.

- Capacity: 500 ml. & suitable for cryogenic use
- Made of durable corrosion resistant steel & able to fit in 133 mm long frozen semen straws
- Suitable vent for the release of liquid nitrogen vapors.
- Should have zipper cover with shoulder stripes

Sample of the item quoted must accompany the technical bid.

Address of Consignee: Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, Post: Gumaniwala, Rishikesh, Dehradun, Uttarakhan

Delivery Schedule: Within Two Months from the date of order.

Signature of Bidder

SCHEDULE: THREE –**1. TECHNICAL SPECIFICATIONS FOR VERTICAL AUTOCLAVE: 01 NO.**

[N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.

- The Unit should comprises of steam jacket electrically heated, inner chamber & lid made of stainless steel, should work on 3-phase, 440V., A/C, 50 HZ supply fitted with automatic pressure control switch, safety valve etc. Unit should bear BIS mark.
The chamber should be made of heavy gauge, stainless steel, fitted with stainless steel forged ring and forged lid, chamber should be fitted with two safety valve of stainless steel, pressure gauge, water outlet valve and Air inlet valve, stainless steel steam condenser, tube with stainless steel eject valve.
- The steam generator should be made out of stainless steel heavy gauge fitted with pressure gauge and water draining valve. The outer cover should be made out of stainless steel, duly insulated with high density mineral wool from the inner chamber and fitted with stable legs. Supplier should provide the calibration certificate.
- The Unit should have the the capacity of dia x depth 300x500 mm and 4 kw
- The Unit should be supplied with one complete set of suitable Spare accessories i.e. Neoprene Rubber jointless gaskets & Heating elements suitable for the Vertical Autoclave.

Address of Consignee: Deputy Manager (ET), Embryo Biotechnology Center, Animal Breeding Farm, Kalsi, Dehradun

Deliver Schedule: Within Two Months from the date of order.

2. TECHNICAL SPECIFICATIONS FOR VORTEX MACHINE: 01 NO.

[N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.

- Table top vortex machine should have short, rapid, eccentric stroke, motor driven. Machine should have neoprene cup imparting vigorous agitation to tubes or small flask held in or against it. Machine should be effective for dislodging sediments from tips of centrifuge tubes. The machine should have Vacuum Rubber pads provided at bottom. The vibrating neoprene rubber cup should accommodate a variety of sizes of test tube/flasks at the maximum up to 250 ml capacity. Machine should be supplied with complete speed control and preferably LED display, cord and ON/OFF switch and indicator to work on 220V, 50 Hz. AC supply.
- Accessories : One vibrating neoprene rubber cup

Address of Consignee: Deputy Manager (ET), Embryo Biotechnology Center, Animal Breeding Farm, Kalsi, Dehradun

Deliver Schedule: Within Two Months from the date of order.

SCHEDULE: FOUR–**TECHNICAL SPECIFICATIONS FOR CO2 INCUBATOR: 01 NO.**

[N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.

- Working volume: Imported Air-jacketed CO₂ incubator with good insulation, approx. 150 to 170 liters working capacity. Chamber, shelving and interior system should be constructed of 100% pure antimicrobial copper with access port for additional probes to be used inside the incubator.
- CO₂ Control range: 0.2 to 20%, CO₂ Control accuracy: + 0.1% and should have Infra Red Co₂ sensor.
- Temperature control range: Ambient temperature + 4 to 50 degree C with accuracy of ±0.1 degree C
- The system should provide non condensing and active humidification inside the chamber with a high relative humidity viz 95% (RH) and allows rapid recovery of optimal humidity level after door openings and have the features to ensure fast humidity recovery and prevents desiccation. The system should have humidity sensor, alarm, warning, and monitoring and display system for the RH.
- System should have high heat temperature or moist heat disinfection/decontamination mechanism along with UV sterilization for elimination of contaminants.
- System should have wide LCD display screen preferably touch screen for on screen programming of alarms and settings and on board real time as well as at least 72 hour data logging with -board graphic capability of all important information for the various critical parameters in the incubator such as CO₂ level, Chamber temperature, RH and options for O₂ control settings, disinfection, UV sterilization.

Signature of Bidder

- System inside shelves should be perforated and the system should have 8 split sealing inner glass doors. Each inner glass door should be attached with reliable door latch and the System should have mechanism for Security control for the programs and the system.
- System should have options for O₂ control from 1 to 19 %.
- The system should automatically switches from one CO₂ cylinder to second CO₂ cylinder when first supply is empty. The CO₂ supply to the chamber should be through HEPA filtration system.
- Two CO₂ (filled) Cylinders should be supplied with the system with suitable Co₂ Regulator of the same manufacturer as that of aforesaid system with two year warranty along with the suitable supply pipeline for CO₂.
- The system should have electrical system to be fitted with Indian electric system viz 220 -240 V with 50 HZ frequency. Online UPS of 2 K.VA should be supplied with the system for backup.
- The calibration certificate for different parameters has to be provided at the time of supply

Address of Consignee: Deputy Manager (ET), Embryo Biotechnology Center, Animal Breeding Farm, Kalsi, Dehradun

Deliver Schedule: Within Two Months from the date of order.

SCHEDULE: FIVE–

TECHNICAL SPECIFICATIONS FOR SEMI AUTOMATIC GAS STERILIZER (ETHYLENE OXIDE STERILIZER) WITH CONSUMABLES (EO CARTRIDGE, PACKAGING ROLE, CHEMICAL INDICATORS) FOR AT LEAST 24 CYCLES: 01 NO.

[N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.

The equipment to be supplied is for the sterilization of PVC and rubber items and should be fully automatic with provision for the setting up all parameters at the startup or remain programmed as a master cycle to help in configuration of different cycle for different materials for sterilization.

The equipment should have the option of using disposable canisters of ethylene trioxide gas as well as option for attaching cylinders of the above gas.

The entire sterilization cycle should be under vacuum to prevent hazards to operating personnel and to ensure removal of all residual gas that may be present in the material.

2. Chamber size of 2 CFT (56 litres)
3. Inbuilt cartridge-puncture facility.
4. Inbuilt aeration facility.
5. Compressor operated air motor for vacuum.
6. Process to start when door is securely closed, pressurized air supply upto the machine and optimum temperature attained.
7. Provision for different temperatures and aeration settings.
8. Provision for visual alerts.
9. Special stainless steel compression fittings and silicon gasket for leak-proof operation.
10. Pneumatic operation for critical functions.
11. Compact, easy to operate with small footprint.
12. Easy locking – maintenance free flat door.
13. Sterilization is carried out in vacuum with 100 % Ethylene oxide single use gas cartridge.
14. Heaters with optimum ratings – lower power consumption.
15. Automatic cut off device for over temperature.
16. Built in indicators and control switches.

Accessories:

1. EO cartridge (40 gm.): 100 nos.
2. Chemical indicators: 100 nos.
3. ETO Packaging Role: 10 cm. width: 05 N0
4. ETO Packaging Role: 5 cm. width: 02 N0
5. ETO Packaging Role: 7.5 cm. width: 02 N0
6. Polyethylene bags to be used for packing and sealing of the materials to be sterilized.

Address of Consignee: Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, Post: Gumaniwala, Rishikesh, Dehradun, Uttarakhand

Delivery Schedule: Within Two Months from the date of order.

SCHEDULE: SIX –

TECHNICAL SPECIFICATIONS OF DISPENSOR FOR DISPENSING EXTENDER IN BULL (CATTLE AND BUFFALO) SEMEN PRODUCTION, CONTROL UNIT WITH BALANCE, PUMP WITH STAND TUBING AND SINKER: 01 SET

[N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]

Signature of Bidder

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.

1. Should be automatic, electronically controlled dispensing system for bull semen extender.
2. Degree of precision in terms of dispensed extender volume ± 1 gm. or higher.
3. Should be operated as stand - alone unit, as well as interfaced with SMILE system being used at Deep Frozen Semen Production Center, Shyampur, Rishikesh.

Address of Consignee: Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, Post: Gumaniwala, Rishikesh, Dehradun, Uttarakhand

Delivery Schedule: Within Two Months from the date of order.

SCHEDULE: SEVEN –

TECHNICAL SPECIFICATIONS OF AUTOMATIC FILLING & SEALING MACHINE: 01 NO.

[N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.

Automatic System for Filling & Sealing of 0.25ml Straws in 4 by 4 Mode with special feature of Zero % Absorption of Semen in 1`by1 Mode/2 by 2 Mode

The machine should be able to Fill 0% absorption of Semen in the plug via a pre-fill system wetting the plug with sperm-free liquid (dual filling stations). The machine should have following specifications:

- 1 by1 and 2 by2 straw in mini or medium in 0% mode.
- Separation of the pre-fill / diluted semen via a bubble system (no contact)
- Possibility to vary the volume of the pre-fill to have diluted semen more concentrated in the forward part of the straw for very low concentration doses
- Possibility to reduce the speed of filling for viscous liquids
- Possibility to reduce/increase the speed of the straw drum
- Tool-free exchange from mini to medium straws.
- Supports 50ml falcon tubes, 100 ml or 400 ml recisperm
- Passage of 4 to 1 straw via sensor of liquid level (can be switched off) - 3 valves shut off to release semen in the 3 tubes and then only one kicks in, reducing semen wastage in the tubes
- Low semen level detection
- Touch screen PLC
- Empty straw hopper detection
- Magnetic needle holders for easy and fast removal
- Tube pinching via independent solenoid valves
- Speeds Mini straws:
 - Mode : 4 by 4 up to 13200 Aprox. (MINI) and up to 12400 (MEDIUM)
 - Mode : 1 by 1 mini: > 1800 Aprox in 0% mode MEDIUM > 1400
 - Mode : 2 by 2 mini: ± 3600 Aprox in 0% mode MEDIUM > 2800
- Conventional semen: runs in 1x1, 2x2 or 4x4 at operator's choice
- Easy Operation and Maintenance.
- Minimum manipulation between each ejaculates.
- All functions monitored during process.
- User friendly and ergonomic.
- Low noise.
- Easy to clean
 - All parts that require cleaning should be easily handled without tools.
 - To ensure hygienic condition, all parts manufactured in plastic and stainless steel.
- Standardization CE, ISO 9001 : V2008
- Power Supply: 100-240 V 50-60 Hz,

The Equipment must be quoted with standard accessories, minimum Two Year Warranty including on-site training & installation. The firm should have experience of supplying such type of machines in India, necessary documents along with satisfactory working report from the users must be attached with Technical Bid. The supplier/manufacturer should have their office and service centre in India to provide after sales services. All relevant details should be provided in Technical Bid.

Address of Consignee: Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, Post: Gumaniwala, Rishikesh, Dehradun, Uttarakhand

Delivery Schedule: Within two Months from the date of order. The rate approved will be for one year duration & the ULDB will place Order upon receipt of fund

Signature of Bidder

**SCHEDULE: EIGHT –
TECHNICAL SPECIFICATIONS OF FLOW CYTOMETER: 01 NO.**

**[N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]
Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.**

The equipment should be capable of performing following diagnostics tests for Animal Semen:

1. Examination of membrane alteration (viability)
2. Examination of acrosome integrity and membrane alteration (viability/acrosome three colors)
3. Examination of sperm membrane fluidity (merocyanine assay)
4. Sperm count

The flow cytometer should have following technical specifications:

Software Functionality and Assays

Instrument QC	Dedicated Software for evaluation and tracking of instrument performance
Instrument cleaning	Quick Clean and Shutdown automated cleaning functions
Multicolor Detection Assays	Dedicated software, instead red, green, yellow detection channels
Semen analysis software	CytoSoft, Dedicated Software for sample analysis with pre-defined settings per species and assays.
Data editing, calculation and reporting	EasySoft, Dedicated Software for editing, calculation and report presentations

Operating Environment

Temperature	60–95°F (16–35°C)
Humidity	10%–90% relative non-condensing
Power	100–240 VAC, 50/60 Hz, 1 amp maximum current

Dimensions and Weight

System Size	height: 13" (33 cm) width: 16" (40.6 cm) depth: 22.5" (57.2 cm)
System Weight	73 lbs (32.4 kg)
Laptop size, open (subject to variation without notice)	height: 10" (25.5 cm) width: 13.27" (33.7cm) depth: 9.37" (23.8cm)
Laptop weight (subject to variation without notice)	4.37Lbs (1.98Kg) with 4 cell battery and Travel Lite Module 5.00Lbs (2.27Kg) with 6 cell battery and CD-ROM

Optics

Laser	488 nm diode laser
Forward scatter detector	photodiode
Side scatter detector	Automatic
Fluorescence detectors	photomultipliers with 583 nm (PM1), 655 nm (PM2), 525 nm (PM3)

Signal Processing

Parameter dynamic range	4.0 log decade display
Pulse processing	digital signal processing
Time	every particle time stamped

Fluidics

Flow cell dimensions	standard square capillary with OD of 380 µm and ID of 100 µm
Pump	positive displacement
Sample flow rate	7 µL/min to 35 µL/min
Waste vial	45 mL glass vial with screw top
Waste generation	typically <80 mL in 8 hours of continuous use

Signature of Bidder

Dead volume	50 µL (for 96-well microplates) 75 µL (for 0.5 mL microcentrifuge tubes)
Sample concentration	Final particle concentration of 10^4 to 5×10^5 particles/mL for accurate results
Sample requirement	As few as 2,000 cells per test; typically 25,000–100,000 cells per test, depending upon the assay

Labware Compatibility

Microcentrifuge tubes	0.5 mL and 1.5 mL
Microplates	96-well, U-bottom (Falcon 353910 polystyrene) Other 96-well V and Flat bottoms

Data Management

Computer (subject to variation without notice)	Dell® network-ready Latitude laptop running Windows XP / seven, and including Microsoft Excel.
Data file structure	FCS (Flow Cytometry Standard) 3.0 files, results file for import into spreadsheet programs and optional export to FCS v.2 format

Performance

Counting accuracy	±5%
Counting precision	≤10% CVs

Additional features

Should permit vacuum collection of cells, and eliminates the need for sheath fluid (no consumption of sheath fluid). It should allow the measurement of each spermatozoon.
No need for alignment nor focusing. Should minimize the use of reagents. The unit should be compact. There should be no need for machine to run in continuous mode. Tests are performed in a sealed environment inside the machine, in the dark. The capillary should automatically be cleaned and dried between each analysis

The Equipment must have two year warranty. Onsite training & installation. The bidder should have experience of installing successfully at least five such systems in Animal Semen Analysis Lab around the world, necessary documents along with satisfactory working report from the users must be attached with Technical Bid. The supplier/manufacturer should have their office and service centre in India to provide after sales services. All relevant details should be provided in Technical Bid.

Address of Consignee: Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, Post: Gumaniwala, Rishikesh, Dehradun, Uttarakhand

Delivery Schedule: Within two Months from the date of order. The rate approved will be for one year duration & the ULDB will place Order upon receipt of fund.

SCHEDULE: NINE –**TECHNICAL SPECIFICATIONS OF STAINLESS STEEL INSULATED LIQUID NITROGEN CONTAINER & VAPOR FREEZING UNIT WITH SCISSOR LIFT CART: 01 NO.**

[N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.

- LN2 Stainless Steel insulated Container having external dimension 850 mm X 825 mm X 470 mm(+-10mm) with wall thickness 120(+/- 5) mm to freeze the French Mini straws in the LN2 vapors.
- The container should have Inlet and Outlet valve for Liquid Nitrogen and supplied with 2 Longitudinal grids to put 8x65mm goblets each.
- The container should be compatible to use with existing IMV Automatic Straw Counting Machine

Address of Consignee: Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, Post: Gumaniwala, Rishikesh, Dehradun, Uttarakhand

Delivery Schedule: Within two Months from the date of order. The rate approved will be for one year duration & the ULDB will place Order upon receipt of fund.

Signature of Bidder

SCHEDULE : TEN:**TECHNICAL SPECIFICATION OF LIQUID NITROGEN-**

1. The rates of liquid nitrogen shall be quoted for the following requirements:

Para No.	Particulars	Technical Specification
1	Liquid Nitrogen in Purchasers Pressurized 2000 liter or more capacity vessels (Ex-factory)	The Supplier shall fill the Purchasers vessel at a maximum of 6 bars pressure. During filling the vent valve of buyers' tanker will be kept in open position.
2	Liquid Nitrogen in firms pressurized vessels of 6000-8000 liter capacity on FOR Basis at Shyampur- Rishikesh	The Suppliers tanker should be at a maximum pressure of 6 bars at the time of decanting in Purchasers vessel. Failing which the Suppliers Tanker will be weighed only after correction of the requisite pressure.
3	Liquid Nitrogen in firms pressurized vessels of 6000-8000 liter capacity on FOR Basis at Lalkuan- Nainital	The Suppliers tanker should be at a maximum pressure of 6 bars at the time of decanting in Purchasers vessel. Failing which the Suppliers Tanker will be weighed only after correction of the requisite pressure.

NB: 1. The rate will be evaluated separately for above mentioned particulars

2. Rate quoted will be including cooling/ purging charges if required, all taxes & VAT for each kg./ each liter of liquid nitrogen

Other Technical Specifications:

- Shall have temperature of -196°C .
- Shall be 99% pure.
- If provided in pressurized vessel shall not be filled at a pressure of more than 6 bars.
- Shall fill the Purchasers vessel within 4-6 hours of entry of Purchasers vessel inside the Suppliers premises.
- The following conversion factor will be considered for billing in litres:
1 kg. of LN2 = 1.24 Liters of LN2
- Only bonafied manufacturers with a minimum production capacity of 5 tonnes per day will be entertained. A certificate regarding production details & installed storage capacity of liquid nitrogen have to be produced by the manufacturer for the period of last 05 years.
- The liquid nitrogen so procured by the board will be used for preservation of semen & is exempted from excise duty however the firm should quote the total gross rate of liquid nitrogen which should include cooling charges, all taxes, duties, VAT etc.

Deliver Schedule: Within 24 hours of the placement of demand by phone/ fax/ email.

SCHEDULE: ELEVEN:**TECHNICAL SPECIFICATIONS FOR STORAGE PALLET: 195 NO.**

[N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.

Particular	Technical Specification	Quantity
Storage Pallet	High density molded plastic Storage Pallet to be used for staking feed bags. Size – 1200 mm x 1000 mm x 140 mm Static load – 4000 Kg Rack load – 600 Kg Type – Perforated Bottom and flush leg With safety edge	195 No.

Sample of the item quoted must accompany the technical bid.

Address of Consignee & No. of Storage Pallets:

S. No.	Address of Consignee	Quantity
1	Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, Post: Gumaniwala, Rishikesh, Dehradun, Uttarakhand	75 No.
2	Addl. Manager (Fodder Bank), Feeder Fodder Bank, Campus of Animal Breeding Farm, Koti Kalsi Road, Kalsi, Dehradun, Uttarakhand	120 No.

Delivery Schedule: Within Two Months from the date of order.

Signature of Bidder

SCHEDULE: TWELVE:**TECHNICAL SPECIFICATION OF CASTRATOR FOR LARGE ANIMALS (CATTLE & BUFFALO) : 100 Nos.**

[N. B.: Equipment under this schedule should conform to BIS / ISO 9001:2000 certification standards, a proof of which shall have to be submitted along with the bid document]

[Technical Literature, brochures and all other relevant information supporting the bid must accompany the bid document.]

- Shall be imported
- Shall be used for castration of large animals
- Shall be 38 cm – 47 cm long for bloodless castration of cattle
- Shall be made by stainless steel or rust proof material

Sample of the item quoted must accompany the technical bid.

Address of Consignee: Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, Post: Gumaniwala, Rishikesh, Dehradun, Uttarakhand

Delivery Schedule: Within Two Months from the date of order.

SCHEDULE: THIRTEEN:**TECHNICAL SPECIFICATION OF EMPTY STERILIZED FRENCH MINI DEEP FROZEN SEMEN STRAW: 20,00,000 NO.**

[N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2000/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the Technical bid]

Technical Literature, brochures and all other relevant information supporting the bid must accompany the Technical bid.

Samples of the items quoted in Schedule THIRTEEN must accompany the Technical Bid

Imported empty mini straws of 0.25 ml capacity for filling, freezing and preservation of Bovine Semen in liquid nitrogen.

Material:

1. The material shall be non-toxic
2. Shall not contain any ingredient harmful to sperms.
3. Suitable grade of polyvinyl chloride shall be used.
4. Should be capable of withstanding to great variation in temperature (-196 ° C to +45° C) and humidity

Specifications:

Length	: 133 mm (± 1mm)
Internal Dia.	: 1.65 mm (± 0.1mm)
External Dia	: 1.95 mm (± 0.1mm)
Weight	: 0.19g

Factory plug:

One end of the straw should be provided with low absorption plug of two equal length braided cotton pieces and Poly vinyl alcohol powder (non granular fine powder) which should be non toxic, sterile and tightly packed. The plug should be uniform and firm.

Physical Characteristics:

1. The wall thickness should be uniform
2. The inner and outer surface of the straw should be smooth
3. The two ends of the straws should be smooth without any roughness and ridges.
4. The edges of the straw shall be free from visible nicks and cuts
5. The straw shall be free from un-dispersed raw material, streak and particles of foreign matter, tears and blisters.
6. The straw shall be uniformly smooth and straight throughout the length.
7. The thickness should be uniform throughout the length.
8. The plug shall be smooth and shall not be too tight or loose, to facilitate easy movement when pushed forward.
9. The outer surface of straw should be suitable to ensure easy clear and permanent printing
10. The straw shall not develop any crack, bulging, and deformity and shall hold the printing ink
11. The colour should enable Bar Code Reading.
12. The straws should be available in yellow, pink, orange , pistachio green, Salmon, Grey colour and transparent.

Durability:

Five years from the date of supply.

Bio Compatibility:

Approved for Animal and Human Application

Packing:

1. The straws shall be packed in sterile moisture proof re-sealable (Ziplock) polyethylene packs, each pack containing 2000 straws.
2. The packet containing straws should have a proper marked end of opening and Ziplock for proper locking to close the Packet once opened.

Signature of Bidder

Each pack shall be marked legibly and indelibly with

1. Name of the material
2. Indication of source of manufacture
3. Number of straws in each pack
4. Batch numbers should be mentioned on each pack to enable traceability.

Others:

1. The firm must have supplying the item of similar specification to at least five reputed semen production centers.

Sample of the item quoted must accompany the technical bid.

N.B.: The ULDB may procure requisite no. of DFS straw in two or more lots in a phased manner at different times of the year from the successful bidder. The ULDB will test each & every batch of Empty Sterilized French Mini Deep Frozen Semen Straw supplied by the successful bidder & after testing if Empty Sterilized French Mini Deep Frozen Semen Straw is found unsatisfactory then the ULDB will reject such batch of Empty Sterilized French Mini Deep Frozen Semen Straw.

Address of Consignee: Addl. Manager (DFSPC), Deep Frozen Semen Production Center, Shyampur, Post: Gumaniwala,
Rishikesh, Dehradun, Uttarakhand

Deliver Schedule: Within One month from the date of Order.

Signature of Bidder

SECTION VI-A : QUALIFICATION CRITERIA

SCHEDULE NO. ONE: The bids of those bidders shall be considered who has supplied minimum 1000 no. items of the required specification in any one of the last – 3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. TWO: PART A: The bids of those bidders shall be considered who has supplied minimum of 2000 no. item of the required specification in any one of the last – 3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. TWO: PART B: The bids of those Bidders shall be considered who has supplied minimum 20 lakh no. of items of required specification in any one of last –3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. TWO: PART C: The bids of those bidders shall be considered who has supplied minimum of 1000 no. item of the required specification in any one of the last – 3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. THREE: The bids of those bidders shall be considered who has supplied minimum of 20 no. items of the required specification in any one of the last – 3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. FOUR: The bids of those bidders shall be considered who has supplied minimum of 10 no. item of the required specification in any one of the last – 3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. FIVE: The bids of those Bidders shall be considered who has supplied minimum 10 nos. of item of required specification in any one of the last –3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. SIX: The bids of those Bidders shall be considered who has supplied minimum 5 nos. of item of required specification in any one of the last –3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. SEVEN: The bids of those Bidders shall be considered who has supplied minimum 5 nos. of item of required specification in any one of the last –3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. EIGHT: The bids of those Bidders shall be considered who has supplied minimum 5 nos. of item of required specification in any one of the last –3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. NINE: The bids of those Bidders shall be considered who has supplied minimum 5 nos. of item of required specification in any one of the last –3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. TEN: The bids of those Bidders shall only be considered who are bonafied manufacturers of liquid nitrogen with manufacturing capacity of 5 tonnes liquid nitrogen per day and have supplied minimum of 500000 lit. liquid nitrogen of the required specifications in any one of the last – 3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. ELEVEN: The bids of those Bidders shall be considered who has supplied minimum 500 No. items of required specification in any one of last –3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. TWELVE: The bids of those Bidders shall be considered who has supplied minimum 500 No. items of required specification in any one of last –3 years. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid.

SCHEDULE NO. THIRTEEN: The bids of those Bidders shall be considered who has supplied minimum 10 million no. of item of required specification in any one of the last –3 years. The bidder must be supplying item of required specification to at least 5 reputed semen production centers. The bidders are therefore required to submit necessary documents in support of having the above mentioned experience including audited balance sheets duly certified from their auditors in the Technical Bid

Signature of Bidder

SECTION VII : BID FORM AND PRICE SCHEDULE

BID FORM

Date:
IFB No.....

To: (Name and address of purchaser)

Gentlemen and/or Ladies:

I Having examined the Bidding Documents including Addenda Nos[insert numbers], the receipt of which is hereby duly acknowledged, we the undersigned, offer to supply and deliver.....(Description of Goods and Services) in conformity with the said bidding documents for the sum of.....(Total bid amount in words and figures) or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this bid.

We undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our bid is accepted, we will submit DD/ FDR/ Banker's Cheque / Bank Guarantee of a bank in a sum equivalent topercent of the Contract Price/ for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this bid for the Bid validity period specified in ITB Clause 14 and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
----------------------------------	----------------------------	--

(if none, state "none").

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We understand that you are not bound to accept the lowest or any bid you may receive.

We clarify/confirm that we comply with the eligibility requirements as per the bidding documents.

Dated this day of.....20.....

Name & Seal of Signing Authority

(signature)

(in the capacity of)

Duly authorized to sign Bid for and on behalf of

Signature of Bidder

PRICE SCHEDULE

Schedule No.	Item Description	Country of origin	Quantity & Unit	Price for each unit (Rs.)						Total price (Rs.)	Sales and other taxes with applicable relaxation	Total Value (Rs.)
				Ex-factory/ Ex-warehouse/ Ex-showroom/ Off-the-shelf/ FOR	Excise duty, if any	Packing & forwarding	Inland transportation, insurance and other local costs incidental to delivery	Incidental services as listed in Clause 8 of SCC	Unit price			

Note :

- (a) In case of discrepancy between unit price and total price, the unit price shall prevail.

Total bid price in Rs.

In words

Signature of Bidder

Name

Business address

Place :

Date :

Signature of Bidder

SECTION – VIII

BID SECURITY FORM

Where¹(hereinafter called "the Bidder") has submitted its bid dated (date of submission of bid) for the supply of (name and/or description of the goods) (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that WE (name of bank) of (name of country), having our registered office at (address of bank) (hereinafter called "the Bank"), are bound unto..... (name of Purchaser) (hereinafter called "the Purchaser") in the sum of for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this day of20.....

THE CONDITIONS of this obligation are:

- 1. If the Bidder
 - (a) withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form ; or
 - (b) does not accept the correction of errors in accordance with the ITB; or
- 2. If the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid validity:
 - (a) fails or refuses to execute the Contract Form if required; or
 - (b) fails or refuses to furnish the performance security, in accordance with the Instruction to Bidders;

we undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including sixty (60) days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

.....
(Signature of the Bank)

1
Name of Bidder

Signature of Bidder

SECTION -IX

CONTRACT FORM

THIS AGREEMENT made theday of....., 20.... Between (*Name of purchaser*) of (*Country of Purchaser*) (hereinafter "the Purchaser") of the one part and(*Name of Supplier*) of(*City and Country of Supplier*) (hereinafter called "the Supplier") of the other part :

WHEREAS the Purchaser is desirous that certain Goods and ancillary services viz.,(*Brief Description of Goods and Services*) and has accepted a bid by the Supplier for the supply of those goods and services in the sum of(*Contract Price in Words and Figures*) (hereinafter called " the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Bid Form and the Price Schedule submitted by the Bidder;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract; and
 - (f) the Purchaser's Notification of Award.
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the goods and services which shall be supplied/provided by the Supplier are as under:

S. NO.	BRIEF DESCRIPTION OF GOODS & SERVICES	QUANTITY TO BE SUPPLIED	UNIT PRICE	TOTAL PRICE	DELIVERY TERMS

TOTAL VALUE:

DELIVERY SCHEDULE:

IN WITNESS where of the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed

For and on behalf of Purchaser (one part)

Supplier (other part)

in the presence of

1.

1.

2.

2.

on behalf of one part

On behalf of other part

Signature of Bidder

SECTION - X

PERFORMANCE SECURITY FORM

To: _____ (Name of Purchaser)

WHEREAS (Name of Supplier)
hereinafter called "the Supplier" has undertaken, in pursuance of Contract
No.....dated,.....20..... to supply
.....(Description of Goods and Services) hereinafter called "the Contract".

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a Guarantee:
THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of.....(Amount of the Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limit of(Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid unit theday of.....20.....

Signature and Seal of Guarantors

.....
.....

Date.....20.....

Address:
.....
.....

Signature of Bidder

SECTION XI

PERFORMANCE STATEMENT

[Please see Clause 13.3 (b) (ii) of Instructions to Bidders]

Proforma for Performance Statement (for a period of last three years)

Bid No. Date of opening Time of Opening

Name of the Firm

Order placed by (full address of Purchaser)	Order No. and date	Description and quantity of order	Value of order	Date of completion of delivery		Remarks indicating reasons for late delivery, if any	Has the equipment/ Services been satisfactorily functioning? (Attach a certificate from the Purchaser/Consignee)
				As per contract	Actual		

Signature and seal of the Bidder

Signature of Bidder

SECTION – XII

MANUFACTURERS' AUTHORIZATION FORM

Letter No..... dated

To

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

Dear Sir:

IFB No.

We who are established and reputable manufacturers of (*name and description of goods offered*) having factories at (*address of factory*) do hereby authorize M/s. (Name and address of Agent) to submit a bid, and sign the contract with you for the goods manufactured by us against the above IFB.

No company or firm or individual other than M/s. are authorized to bid, and conclude the contract for the above goods manufactured by us, against this specific IFB.

We hereby extend our full guarantee and warranty as Clause 15 of the General Conditions of Contract and Clause 10 of the Special Conditions of Contract for the goods and services offered for supply by the above firm against this IFB.

Yours faithfully,

(Signature)
(Name of manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to legally bind the manufacture. It should be included by the Bidder in its bid.

Signature of Bidder

SECTION XIII:**PROFORMA FOR EQUIPMENT AND QUALITY CONTROL EMPLOYED BY THE MANUFACTURER**

IFB No

Date of Opening.....

Name of Bidder:

(Note: All details should relate to the manufacturer for the items offered for supply)

1. Name & full address of the manufacturer
2. (a) Telephone & Fax No
(b) Telex No. Office/Factory/Works
(c) Telegraphic address: Office/Factory/Works
3. Location of the manufacturing factory
4. Details of Industrial License, wherever required as per statutory regulations.
5. Details of important Plant & Machinery functioning in each dept. (Monographs & description pamphlets be supplied if available).
6. Details of the process of manufacture in the factory.
7. Details & stocks of raw materials held.
8. Production capacity of item(s) quoted for, with the existing Plant & Machinery
 - 8.1 Normal
 - 8.2 Maximum
9. Details of arrangement for quality control of products such as laboratory, testing equipment etc.
10. Details of staff
 - 10.1 Details of technical supervisory staff in charge of production & quality control.
 - 10.2 Skilled labour employed
 - 10.3 Unskilled labour employed
 - 10.4 Maximum No. of workers (skilled & unskilled) employed on any day during the 18 months preceding the date of Tender.
11. Whether goods are tested to any standard specification? If so, copies of original test certificates should be submitted in triplicate.
12. Are you registered with the Directorate General of Supplies and Disposals, New Delhi, India?
If so, furnish full particulars of registration, period of currency etc. with a copy of the certificate of registration.

(Signature)
(Name of manufacturers)

Signature of Bidder