

E-TENDER NOTICE NO. 1/2018-19
PUNJAB LIVESTOCK DEVELOPMENT BOARD

LIVESTOCK COMPLEX, SECTOR-68, S.A.S. NAGAR-160062

The Punjab Livestock Development Board O/o Director Animal Husbandry, Punjab, Livestock Complex, Sector-68, S.A.S. Nagar-160062(Punjab) invites E- tender on Double bid system for following items as per terms and conditions detailed below:-

Sr. No	Name of Item	Quantity	Sr.No	Name of Item	Quantity
1	Liquid Nitrogen Biological Containers 3-4 Ltrs. Capacity	1460	17	Cold Handling Cabinet for Semen processing	01
2	Liquid Nitrogen Biological Containers 35 Ltrs. Capacity	270	18	Wide Mouth Container with straw holding capacity 3 Lac	02
3	Liquid Nitrogen Biological Containers 47 Ltrs. Capacity	100	19	Phase Contrast Microscope	01
4	Liquid Nitrogen Storage and Transportation Containers 50 Ltrs. Capacity	315	20	Artificial Vagina 10"	200
5	Liquid Nitrogen Biological Containers 20 Ltrs. Capacity	10	21	Artificial Vagina 8"	200
6	Liquid Nitrogen Biological Containers 10 Ltrs. Capacity	20	22	Semen Collection Cone	400
7	Artificial Insemination Gun Universal with Container	2230	23	Rubber Liner	300
8	e-software Management of Integrated Laboratory Environments	01	24	Chaff Cutter	02
9	A V Sterilizer	01	25	Tractor Trailer	01
10	Heating Plate Digital	01	26	Rotavator-6 Feet	01
11	Laminar Air Flow Table for Semen Lab	01	27	Bulk Milk Cooler Capacity 2000 Ltrs.	02
12	A.V. Incubator	01	28	Bucket Milking Machine	04
13	Semen Pass Window(Small)	01	29	Plastic Goblet (Small)	4,00,000
14	Semen Pass Window(Large)	01	30	Plastic Goblet (Large)	10,0000
15	Water Purification System	01	31	Animal Health Cards/Nakul Swasthya Patra	34,00,000
16	Incubator Bacteriological	01			

1. The E-tenders should be submitted online till 10/01/2019 upto 5:00 pm and the same will be opened on 11/01/2019 at 11:00 am. For other term and conditions, please visit website <http://eproc.punjab.gov.in>.
2. E- Tender details can also be obtained from the Departmental website www.husbandrypunjab.org.
3. Corrigendum, if any will be upload on above websites only.

Additional Chief Executive Officer

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Tendering Procedure.

It will be a two stage tendering. The technical tenders and financial/commercial tenders financial/commercial tenders will have to be submitted AS PER E -TENDERING PROCEDURE TENDERING PROCEDURE.

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

- Nature of Ownership.
- Composition of the Firm.
- Bankers Name & Address.
- GST No.
- PAN/TAN No.
- Tax clearance.
- Whether Manufacturer/Sole Selling Agent/Distributor/Authorized Dealer.
- Experience in line. - Capability/Capacity to service the requirement.
- Details of relevant infrastructure.
- Arrangements of after sale service.
- List of Clients.
- Quality Assurance/Monitoring system followed.

Certificates where needed should be attached duly attested.

Financial/Commercial Bids.

Financial Bid should contain the price quoted per unit. The following information should be clearly given in the Financial Bid:-

- Price per Unit.
- Place of Delivery.
- Status of Taxation/Duties, GST etc.
- Lead time/Delivery Period.
- Packing & forwarding.
- Mode of Transportation.
- Payment condition.
- Warranty/Guarantee.
- Validity of Offer.
- Acceptance of Terms of N.I.T.
- Details of Earnest money attached.

Financial Bids will be opened only of those tenderers, who qualify and are found suitable during the processing of Technical Bids.

SPECIFICATIONS

Item No.-1- Liquid Nitrogen Biological Container 3 to 4 Ltrs. Capacity (1460 Nos.)

- | | |
|---|--|
| 1. Capacity of LN Container | Between 3-4 Litre |
| 2. Neck dia | 50mm+/-2mm |
| 3. Static Evaporation Loss rate | Not more than 0.150 litres/day |
| 4. Static holding time | Not less than 30 +/-1 days |
| 5. Number of Canisters | 6 (Six) |
| 6. Straw holding capacity in single level | not less than 1500 straws of 0.25ml capacity |

The container should be ISI Marked and relevant certificate should be attached with tender. The original product catalogue showing the detailed specifications must be attached with tender application.

The container must be offered with one year replacement guarantee including transportation cost involved in the replacement of defective container. The concern should have experience of supplying this container to bulk consumers in India, for which necessary documents must be attached. The manufacturing firm should have after sales their service centres in India to provide after sales service and all relevant details should be provided in tender.

Item No.-2- Liquid Nitrogen Biological Containers 35 Ltrs. Capacity (270 Nos.)

- | | |
|---|--|
| 1. Capacity of LN Container | Between 32.5 to 35 Litre |
| 2. Neck dia | 51mm+/-2.5mm |
| 3. Static Evaporation Loss rate | not more than 0.120 liters/day |
| 4. Static holding time | not less than 280 days |
| 5. Number of canisters | 06 (Six) double level |
| 6. Straw holding capacity in Double Level | Not less than 3100 straws of 0.25ml capacity |

The container should be ISI Marked and relevant certificate should be attached with tender. The original product catalogue showing the detailed specifications must be attached with tender application.

The container must be offered with one year replacement guarantee including transportation cost involved in the replacement of defective container. The concern should have experience of supplying this container to bulk consumers in India, for which necessary documents must be attached. The manufacturing firm should have after sales their service centres in India to provide after sales service and all relevant details should be provided in tender.

Item No.-3- Liquid Nitrogen Biological Containers 47 Ltrs. Capacity (100 Nos.)

1. Capacity of LN Container	Between 46 to 48 Litre
2. Neck dia	120mm+/-2.5mm
3. Static Evaporation Loss rate	0.38 ltrs/day maximum
4. Static holding time	124 days minimum
5. Number of canisters	11 (Eleven) double level
6. Straw holding capacity in Double Level	Not less than 17000 straws of 0.25ml capacity

The container should be ISI Marked and relevant certificate should be attached with tender. The original product catalogue showing the detailed specifications must be attached with tender application.

The container must be offered with one year replacement guarantee including transportation cost involved in the replacement of defective container. The concern should have experience of supplying this container to bulk consumers in India, for which necessary documents must be attached. The manufacturing firm should have after sales their service centres in India to provide after sales service and all relevant details should be provided in tender.

Item No.-4- Liquid Nitrogen Storage and Transportation Containers 50 Ltrs. Capacity (315 Nos.)

1. Capacity of LN Container	Between 50-52 Litre
2. Neck dia	50mm+/-2mm
3. Static Evaporation Loss rate	Not more than 0.50 litres/day
4. Static holding time	Not less than 110 days

The container should be ISI Marked and relevant certificate should be attached with tender. The original product catalogue showing the detailed specifications must be attached with tender application. The container should be supplied along with protective ring and bottom pad.

The container must be offered with one year replacement guarantee including transportation cost involved in the replacement of defective container. The concern should have experience of supplying this container to bulk consumers in India, for which necessary documents must be attached. The manufacturing firm should have after sales their service centres in India to provide after sales service and all relevant details should be provided in tender.

Item No.-5-Liquid Nitrogen Biological Containers 20 Ltrs. Capacity (10 Nos.)

1. Capacity of LN Container	Between 20 to 22 Litre
2. Neck dia	51mm+/-2.5mm
3. Static Evaporation Loss rate	0.118 ltrs/day maximum
4. Static holding time	174 days minimum
5. Number of canisters	06 (Six) double level
6. Straw holding capacity in Double Level	Not less than 3100 straws of 0.25ml capacity

The container should be ISI Marked and relevant certificate should be attached with tender. The original product catalogue showing the detailed specifications must be attached with tender application.

The container must be offered with one year replacement guarantee including transportation cost involved in the replacement of defective container. The concern should have experience of supplying this container to bulk consumers in India, for which necessary documents must be attached. The manufacturing firm should have after sales their service centres in India to provide after sales service and all relevant details should be provided in tender.

Item No.-6-Liquid Nitrogen Biological Containers 10 Ltrs. Capacity (20 Nos.)

1. Capacity of LN Container	Between 10 to 12 Litre
2. Neck dia	51mm+/-2.5mm
3. Static Evaporation Loss rate	0.14 ltrs/day maximum
4. Static holding time	83 days minimum
5. Number of canisters	06 (Six) double level
6. Straw holding capacity in Double Level	Not less than 3100 straws of 0.25ml capacity

The container should be ISI Marked and relevant certificate should be attached with tender. The original product catalogue showing the detailed specifications must be attached with tender application.

The container must be offered with one year replacement guarantee including transportation cost involved in the replacement of defective container. The concern should have experience of supplying this container to bulk consumers in India, for which necessary documents must be attached. The manufacturing firm should have after sales their service centres in India to provide after sales service and all relevant details should be provided in tender.

Item No.-7- ARTIFICIAL INSEMINATION GUN UNIVERSAL WITH CONTAINER (2230 Nos.)

AI Gun to be used for insemination in bovine with Frozen Semen and suitable for French Mini/medium type straws having conical shape adapter with O ring for securing and releasing AI sheaths. The AI Gun should consist of Barrel and plunger both of antimagnetic stainless steel material and should meet following technical requirements:-

TOTAL LENGTH OF BARREL 435 MM +/- 0.5 MM

OUTER DIA OF BARREL 3.70 MM +/- 0.05MM

**INNER DIA OF BARREL
(Straw End)** 3.10 MM +/- 0.05 MM

(This end should take French Mini 0.25ml/0.50ml straws with straw locking inside tube)

TOTAL LENGTH OF PLUNGER 450 MM +/- 1.00 MM

DIAMETER OF PLUNGER 2.10 MM +/- 0.05 MM (at posterior end up)
1.45 MM +/- 0.05MM (at straw end)

OTHER REQUIREMENTS

1. The plunger and barrel shall have the desired flexibility without changing in shape during insemination.
2. The assembly of AI Gun (Barrel and Plunger) should be such that the plunger shall freely move inside barrel but and should be provided with lock to avoid free fall of Plunger from barrel.
3. The gun should be packed in suitable Plastic tubular container with one end closed and other with screw cap.
4. Name of manufacturer should be embossed permanently on barrel and plunger.

Samples:- At least 02 sample should be submitted.

ITEM No.8-e-software Management of Integrated Laboratory Environments (One)

- Bar code technology assigns each ejaculate with its own ID.
- Creates a record of all animals in production.
- User defines information included in record.
- Events in individual's life can be as per input and accessed for future reference.
- Feedback data screen for view in the collection area.
- Windows-based input screens prompt the user for data at all steps of semen processing.
- Data input parameters can be user defined.
- Eliminates data entry errors.
- Standardizes data and procedures.
- Easily fits into any quality assurance program.

- User defined maximum and minimum accepted parameters warn laboratory technician of non-compliant ejaculates.
- Interfaces with laboratory equipment and software improving accuracy and speed of data input.
- Can interface with any RS232 serial and USB port on laboratory equipment, *i.e.* electronic balances, photometers, etc
- Multiple terminal networking.
- Simultaneous data entry from multiple terminals.
- Calculates dilution ratios and dose production based on user-defined formulas.
- Formulas are specified by user and may include data such as % motility, % normal morphology, % live cells, etc
- Adapts to any semen evaluation protocol.
- Interfaces with automatic packaging, printing and freezing equipment.
- Information is organized in a simple, easy to access data base.
- Program includes pre-defined and customized activity reports
- Other production reports can be defined by user.
- Immediate access to historical data.
- Per animal or group of animals.
- Per semen collector.
- Per sire or group of sires.
- Aids management in the decision-making process.
- Collection schedule.
- Animal performance.
- Statistical analysis of data.
- Information can be exported to other programs as an ASCII file.
- User defined access restrictions.
- By user level.
- By station.
- Software available for multiple species.
- Available in multiple languages.
- Maintenance through dial-up connection.
- Calibration management of equipment
- Historical of calibration equipment
- Packaging machine management
- Integration of IVOS-II and CEROS-II
- Veterinary follow up
- Veterinary reminder
- Compatible with SQL, MySQL, Hyperfile database and Hyperfile Client server
- Extender tractability
- Extender inventory tracking
- Possibility for any sites to view data of any other sites.
- Tracking of storages of Straws
- Integration of Smart Auto Dispenser
- Bull movement tracking

- Per animal, Type of veterinary intervention
- Date of intervention
- Management of vétérinaire acts
- Report of intervention
- Consequence of veterinary intervention on semen collection: possibility to choose to stop the collection or continue the collection
- Storage management : Product traceability option
- Edition of the Storage List

The Software must be quoted with all additional software's and one year warranty including onsite training & installation. The concern should have experience of installing successfully at least five such system in India, for which necessary documents must be attached. The satisfactory working report from the user also be attached. The manufacturer should have their services centre in India to provide after sales services and all relevant details should be provided in tender.

ITEM No.9-A.V. Sterilizer

(One)

Special purpose steam sterilizer for sterilizing Artificial Vaginas, Liners and Semen cones. Chamber should be made of heavy gauge Stainless steel material. The top cover should also be made of Stainless steel .The unit is to be equipped with double heater provided at bottom with temperature regulator and automatic cut off arrangement.

The whole unit is to be mounted on heavy duty castor wheels .

The unit is to be equipped with automatic timer and have water drain arrangement.

SS Grill tray over heaters with lifting handle is to be provided with provision to sterile 24 SLOTS

(facility with bent wire cone +steel rods) .

Size of chamber :- 600 mm x 450mm x 600 mm (LXD^oXH) .

Temperature range : +5 degree C to +150 degree C **Workable on 220-230V AC .**

ITEM No. 10- HEATING PLATE DIGITAL

(One)

Warm plate with digital temperature control for ova, sperm vitality test .warm stage with digital PID controller .

SPECIFICATIONS

- Temperature digital displays
- Accuracy: +/- 0.2° C
- 30 watt heating capacity
- Outlet temperature range: ambient to + 55° C
- Warming plate temperature range: ambient to + 55° C
- Overall dimensions: 185 x 180 x 84 mm
- Warming plate dimensions: 180 x 180 mm +/- 20 mm

- Weight Not more than 5 Kg.
- Electric Input : 220-230 V 50 HZ
- Guarantee : One year

ITEM No. 11- LAMINAR AIR FLOW TABLE FOR SEMEN LAB

(One)

Laminar Air flow table with **vertical air flow** for particles free level standards. The cabinet is fabricated out of CRCA sheet steel duly powdered coated bulkhead. The working table is made of stainless steel top with satin finish. Front door is folding transparent of acrylic sheet. The unit is fitted with :UV lamp with provision to switch on/off, UV Stabilized PC side panels. Gas Cock/Air valve.PP rear panel,Storage cabinet with selves Vacuum connection

TECHNICAL SPECIFICATIONS

BIOCLEAN WORKSPACE

Width x depth x height : 1830 x 760 x760 mm (+/- 10mm)

AIR FLOW :

Designed for 0.45 m/sec. to 0.65 m/sec.when measured across the entire filter face during the rated life cycle of filters.

PREFILTERS

Prefilters should be made of depth media,specially treated with antifungal and bactericidal reagents to inhibit growth of microorganisms and should possess characteristics like fire retardance and water repellence.

FINAL FILTERS

Minipleat separatorless HEPA filters made of micro-fiber glass filter Media pleats, double layered with unmatched life cycle gurantee.Efficeincy rating 99.97% down to 0.3 microns when tested as per IES recommended practice.

CLEANLINESS LEVEL As per Class 100

NOISE LEVEL Less then 65 dB on a scale.

VIBRATION LEVEL Less than 2.5 miron

ILLUMINATION 100 watts per sq. meter of work table

BLOWER MOTOR

Custom built.dual outlet blower assembly, statically and dynamically balanced,direct drive type to provide adequate air flow coloumn over the full life cycle of the HEPA filters.

ELECTRIC INPUT 220-230 V 50 HZ

GUARANTEE One year from date of supply.

ITEM No. 12-A.V. Incubator

(One)

Construction: – The Incubator should be made of Double walled construction with complete inner chamber made of Highly Polished Stainless Steel. Outer chamber is made of Mild Steel Sheet, finished with powder coated paint. 75 mm gap between the walls is filled with special grade glass wool for proper insulation and to avoid heat losses. Inner chamber fabricated with ribs for adjusting shelves to convenient height. To be Supplied with 2 or 3 removable shelves. SHELVES are to be made of Polished Stainless Steel Sheet as per chamber. Door should also be insulated & fitted with heavy hinges. Door should have Double glass window which facilitate inspection of samples without opening the door. Heating elements, made of high grade imported nichrome wire are to be put inside the porcelain beads and placed at the bottom and side ribs for uniform temperature all over the space.

Temperature Control: – Digital Indicator – cum – Controller Electronic

Ventilation: – Air ventilators to be provided on both sides at top to flue away any gas or fumes.

Control Panel: – The equipment is to be provided with a panel having a thermostat control knob, ON/OFF switch and two pilot lamps.

Power Requirement: – Supplied with cord and plug suitable to operate on 220 V single phase, 50 Hz, AC supply.

Size of inner chamber:-

W × H × D No. of Shelves
605 × 605 × 605 mm/ 3

ITEM No. 13- SEMEN PASS WINDOW(Small)

(One)

Semen Pass through Box to pass through the materials from a uncontrolled environment to a controlled environment .The cubicle shape box with doors on both side and they are interlocked which protect the controlled environment from possible pollution while transferring a material inside . The body should be made of ISI 304 antimagnetic stainless steel material . There should be provision of UV tube inside which should switch off Automatically with opening of door and switch on with closing door. The Door should be provided on front and back side. A bell switch should be Provided on side of front door and bell on other side.

The working size :

A W 24” xD24”: XH24”

ITEM No. 14- Semen Pass Window(Large)**(One)**

Semen Pass through Box to pass through the materials from a uncontrolled environment to a controlled environment .The cubicle shape box with doors on both side and they are interlocked which protect the controlled environment from possible pollution while transferring a material inside . The body should be made of ISI 304 antimagnetic stainless steel material . There should be provision of UV tube inside which should switch off Automatically with opening of door and switch on with closing door. The Door should be provided on front and back side. A bell switch should be Provided on side of front door and bell on other side.

The working size :

B.W 48" xD24": XH24"

ITEM No. 15-Water Purification System**(One)****Single Integrated System for Pure and ultrapure Water**

The System should have ideally the following Purification stages in a single unit:

1. Pretreatment should have inbuilt anti scaling compound to take care of hardness in the feed water.
2. Additional pretreatment to accommodate feed water conditions as required, and same should be monitored continuously. There should be a way to view on the system to know feed water conditions.
3. System should contain Reverse osmosis, and a timely maintenance for Reverse Osmosis membrane is required. It is recommended to be automatic.
4. Pure water production should be 8-10 L/hr.
5. System should have inbuilt UV for taking care of Organic and bacteria levels. The life of the same should be minimum 2 years. Proof of the same to enclosed.
6. Traceability of all filtration consumables for date of installation and material code Number is recommended.
7. Volumetric dispensing is required and the same should be available in the main menu for convenience. Proof of the same to enclosed.
8. Monitoring of water quality should happen automatically.
9. TOC should have a self-calibrating/checking capability in the system as and when required.
10. An option to customize alerts/alarms linked to external inputs as per our laboratory requirement.
11. Final water quality should meet our application requirements with a flexibility to change for future requirements as bacteria free or pyrogen free water.
12. Final Water quality should have Resistivity 18.2 Mega Ohms, TOC: <5 ppb, Bacterial Count less than 1 cfu/ml and Pyrogen less than 0.001 EU/ml. Flow rate: min 2L/min.

13. Consumable replacement alarms should be in place and should require replacement without any additional tools.
14. System should have capability to accommodate tap water feed with maximum conductivity of 2000 $\mu\text{S}/\text{cm}$, free chlorine of upto 3 ppm, iron - <0.1 ppm and hardness of upto 300 ppm
15. Storage reservoir should be polyethylene reservoir of 30-50L capacity. And level of water in the tan should be visible on the system main screen with percentage.
16. System's Cartridge has RFID Tag which enables traceability of Mfg. Date, Lot No., Life of Cartridge no. of days usage etc. and facilitates estimation of volumetric life of the cartridges.

ITEM No. 16- Incubator Bacteriological

(One)

Construction: – The Incubator should be made of Double walled construction with complete inner chamber made of Highly Polished Stainless Steel. Outer chamber is made of Mild Steel Sheet, finished with powder coated paint. 75 mm gap between the walls is filled with special grade glass wool for proper insulation and to avoid heat losses. Inner chamber fabricated with ribs for adjusting shelves to convenient height. To be Supplied with 2 or 3 removable shelves. SHELVES are to be made of Polished Stainless Steel Sheet as per chamber. Door should also be insulated & fitted with heavy hinges. Door should have Double glass window which facilitate inspection of samples without opening the door. Heating elements, made of high grade imported nichrome wire are to be put inside the porcelain beads and placed at the bottom and side ribs for uniform temperature all over the space.

Temperature Control: – Digital Indicator – cum – Controller Electronic

Ventilation: – Air ventilators to be provided on both sides at top to flue away any gas or fumes.

Control Panel: – The equipment is to be provided with a panel having a thermostat control knob, ON/OFF switch and two pilot lamps.

Power Requirement: – Supplied with cord and plug suitable to operate on 220 V single phase, 50 Hz, AC supply.

Size of inner chamber:-

W × H × D No. of Shelves

605 × 605 × 605 mm/ 3

ITEM: 17- Cold Handling Cabinet for semen processing

(One)

The cold handling cabinet customized for equilibration of semen straws at 4 degree centigrade

before freezing. It should conform the following technical specification:

Adjustable floor height: from 80 to 100 cm \pm 5%.

Exterior dimensions (L x W x H): Approx. 200x100x100 cm \pm 7.5%.

Interior (stainless steel) dimensions (L x W x H): Approx. 190x90x38 cm \pm 5%.

Power supply: 220 volts 50 Hz.

Operating condition : Class -3

Temp. display : LED three digits 0.1 deg cent read off accuracy in measuring range.

Should be provided with:

Perspex upper lid for the enhanced visibility and product accessibility.

Condenser: accessible for easy cleaning.

Thermometer for temp. control and reading.

Trolley with bumper all around the perimeter.

Refrigeration unit should be located in the base of the case.

Degree of protection against humidity : IP 21.

Noise and vibrations : the sound level generated by running refrigerator should be below 70dB and no harmful vibrations should be generated by the machine.

One year warranty including onsite training, installation and certificate for after sale services and availability of spares for at least 5 years

**ITEM No. -18-WIDE MOUTH CONTAINER WITH STRAW HOLDING CAPACITY 3 LAC
(Two)**

Stainless steel wide mouth container for storage of straws .

It should meet following technical requirements:-

Material ; Inside and Outside Made of stainless steel

Capacity : Between 350-400 lt.

Mouth dia (neck Opening) : Between 800-850 mm

Straw Capacity : Not less than 3,00,000 Mini 0.25ml. packed in canisters of 70 mm x 520 mm (4 levels)

LN2 Loss Per day : Not more than 3.5% of capacity of Container.

Accessories : Canisters made of SS with lifters / Goblets plastic make /Acrylic Lid / 20 Freezing Racks of 175 straws and 1 ramp also to be supplied along with container.

GUARANTEE One year from date of supply.

ITEM No.-19- PHASE CONTRAST MICROSCOPE (one)

Optical system :

Infinity corrected Optical system TRINOCULAR Head

Focus :

Vertical stage movement 25mm or more per course Stroke Vertical stage movement 1micron or less per Fine stroke Stage rotation of 270 degrees or more

Illuminator :

Built-in-Koehler illumination for transmitted lightLED bulb (pre-centered) Light Intensity adjustment centrally located so both hand Can be used to increase and decrease light intensity.

Revolving nosepiece :

Interchangeable reversed Quintuple revolving nosepiece

Objectives:

Plan 10XPh, Plan 20XPh, Plan 40X Ph and ,Plan 100XPh OIL Objectives

Observation tube :

Wide field Three position Trinocular head with Field no 22mm.

Stage : Coaxial stage with right hand low drive Control along with heat control Glass stage

Condenser : Phase Contrast / Darkfield Condenser (Turret Type)

GUARANTEE One year from date of supply

Item No.-20- Artificial vagina 10"**(200 Nos.)**

Bovine Artificial Vagina made of neoprene rubber and should withstand Boiling in water for two hours/autoclaving without change in shape and hardness.

Internal Diameter: 60 +/- 2 mm Thickness: Minimum 6 mm

Length : 250 +/- 5 mm

Both ends of the hose should be raised up to 5 mm and rounded outwards to secure protective liners. It should have metallic vent of non ferrous material with screw able air valve for adjustment of air pressure. All joints should be leak proof. AV should also be provided with 4 O rings to secure liners and should make of autoclavable rubber.

Samples:- At least 02 sample should be submitted.

Item No.-21- Artificial vagina 8"**(200 Nos.)**

Bovine Artificial Vagina made of neoprene rubber and should withstand Boiling in water for two hours/autoclaving without change in shape and hardness.

Internal Diameter: 60 +/- 2 mm Thickness: Minimum 6 mm

Length : 200 +/- 5 mm

Both ends of the hose should be raised up to 5 mm and rounded outwards to secure protective liners. It should have metallic vent of non ferrous material with screw able air valve for adjustment of air pressure. All joints should be leak proof. AV should also be provided with 4 O rings to secure liners and should make of autoclavable rubber.

Samples:- At least 02 sample should be submitted.

Item No.-22- Semen Collection Cone**(400 Nos.)**

Cones for AV made of elastic silicon rubber. It should bear autoclaving for 30 minutes at 100 kpa pressure. The surface should be smooth inside and Outside without any pin holes, pits cracks, grooves and other surface defects. The edges should be rounded outwards at both ends. The cone should be non Collapsible and self drying type.

Length: 250 +/- 10mm

One end of cone should take AV and other end to Semen Collection tube.

Samples:- At least 05 sample should be submitted.

Item No.-23- Rubber Liner

(300 Nos.)

Liners for Artificial Vagina and made of elastic neoprene rubber. It should bear autoclaving for 30 mins.at 100 kpa pressures. Outer surface should be smooth and free from pin holes, cracks, grooves and other defects. The edges of the liners shall be rounded outwards at both ends.

Inner surface: Outer surface Plain and inner surface Rough

Length: Minimum 450 +/- 10mm Outer Dia : 54+/-1 mm

Thickness: Minimum 0.6 mm

Samples:- At least 05 sample should be submitted.

Item No.-24- Chaff Cutter

(Two)

It should work on 5 H.P 3 phase motor

Out put 1000kg to 1500kg per hour

Should have installed 5 Hp three phase motor

Should have wheels

With belt System

Length of cut 3/8 inch to 1/2 inch and 1/2 inch to 5/8inch

Should provide spares for one year

Item No.-25- Tractor Trailer

(Two)

Farm Trailers

Functional Requirements

For miscellaneous farm transport works using tractor power.

Design Requirements

Tractor driven machine – trailed behind tractor.

Platform size approximately 3900mm long, 1950mm wide, 900mm high.

Single axle 2 wheel design minimum 90x90mm square, 2 tyres 9.00x16.

Suitable for 4 to 6 ton loading; working with 45 to 75 hp tractor.

With **hydraulic tipping arrangement** using telescopic cylinder – good quality branded components to be used.

Rear tipping arrangement.

Main Chasis minimum size MS Chanel 200x75 mm, secondary in 125x65 mm (heavy).

Flooring in 4mm MS Sheet duly braced as per need.

Side wall in 2mm MS Sheet duly braced as per need.

Rear door open able – Rear tipping facility.

Heavy duty double plate rims.

Strong and sturdy CI hub with double bearings –SKF make.

Forged steel heavy duty toe eye 65mm dia,

Tubular hitch beam 125x125 heavy.

With suitable jack, hydraulic piping and quick release coupling.

With top quality corrosion resistant painting.

Complete in all respects; ready to use version **with RTO approval** documents as per need.

Spares up to 10% order value to be supplied.

As an **alternate** bidders are requested to quote for following version trailers:

a) Single axle 2 wheel design – without tipping

b) Double Axle 4 wheel design – without tipping

c) Double Axle 4 wheel design – hydraulic tipping type [rear]

d) Single Axle 4 wheel TANDEM design for lesser jerks. **Scope of work includes** design , supply, erection, testing, commissioning & RTO approval.

Item No.-26- Rotavator-6 Feet

- Ideal for removing stubbles of maize and roots of various other crops
- L Type blades made from steel
- Heavy duty tiller board
- Adjustable depth & height
- Number of flanges-8
- Number of blade-42
- Operatable at PTO 540 RPM Rotor speed-270
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Item No.-27- Bulk Milk Cooler Capacity 2000 Ltrs.

(One)

Sr. No.	Description	Technical Details
1.	Rated Capacity	2 KLPD
2.	Gross Capacity	2200 Ltrs.
3.	Shape and Orientation	Semi cylindrical horizontal open top
4.	Overall dimension & weight	2750x1525x1225
5.	Thickness of inner shell	2mm
6.	Thickness of outer shell	1.5mm
7.	Number & RPM of Agitator	One-25RPM
8.	CIP Facility	Manual
9.	Insulation Type	Puff 40 density
10.	Insulation Thickness	50mm

Sr. No.	Description	Technical Details
11.	Insulation Efficiency	Allow to rise 2 deg. C maximum in 8 Hrs.
12.	Facility to measure the milk volume	Dip stick calibrated
13.	Refrigerator Unit Type	Direct Expansion
14.	Make/Model/Size of compressor operating conditions 0 Degree C 50 degree C Condensing Temp	Single Phase
15.	Make, Model & Size of Condenser	Emerson Climate
16.	Number & Cooling capacity of compressor(Kcal/Hr) at evaporating & condensing temp	Two Minimum 10333Kcal/Hr.
17.	Capacity of condenser(s) & No. of Fans	Air cooled 12400 Kcal/Hr. Four
18.	Receiver size & Capacity	12 Ltrs.
19.	Overall dimensions & Weight of the units	120Kgx2nos 940x794x685
20.	Type of Refrigerent	R-22
21.	Design Parameters	
22.	Ambient temperature considered for design	38 Degree Cent.
23.	Maximum cooling time considered for All and second milking	3 Hours for 1 st cooling and 1.5 hours for 2 nd cooling
24.	Temperature range considered for all & second milking	35 Deg. Cent. For all 10 Deg. Cent. To 4 Deg
25.	Connected in watts & amperes for	
26.	Compressor(S)	5440W 9.8 Amp.
27.	Condenser(s) Fan(s)	360W
28.	Agitator(s)	90W

Item No. 28- 4 bucket milking machine

Vacuum Pump:

Oil Lubricated vacuum pump should be type oil lubricated with a capacity of Airflow 350 LPM at 50 KPA

2. Vacuum Tank:

Hot dip galvanized. Holds vacuum stable during milking and reduces variations in vacuum pressure.

3. Electric Motor:

2 HP electric Motor with motor starter, Motor and starter should be preferably Indian make like Crompton, ABB, Siemen .

4. Milking Bucket:

4 no. 20 litre capacity Milking Bucket made of AISI 304, with can carrying and lifting handles, lid etc.

5. Milking Cluster:

4No.Milking SS Cluster with 300CC claw transparent milk claw, shut off valve,

6. Liners:

4 set Imported, Food grade quality rubber liners easy for cleaning.

7. Teat cup:

Stainless steel teat cup shells

8. Milk Tube:

Non-toxic, Food grade, transparent milk tube with 1.5 meter length for each cluster. It must be phthalate free.

9. Pulse Tube :

Pulse tube, transparent for pulsation operation with 1.5 meter length for each cluster, set of four.

10. Vacuum Taps:

8 no. Durable, easy to operate vacuum taps.

11. Vacuum Gauge:

Dial type Vacuum Gauge.

12. Vacuum Regulation:

Spring loaded, maintenance free

13. Pulsator:

4 no. Pneumatic Pulsator operating on pneumatic system with 2:2 pulsation, approx. 60 ppm pulse rate and 60:40Pulse ratio.

14. Cleaning Brushes:

Comprise of long milk tube brush with Handle, brush for liners.

Note:

1. The supplier has to provide all accessories which are not specified above but required for the successful working of four bucket Milking Machines.

2. The Supplier has to provide imported main parts like Vacuum pump, rubber parts/claw and pulsators pieces etc

15. Milking Machine Accessories

1. Teat Dip Cup : 01 No. 4. Basic Detergent : 1 Litre

2. Teat Dip Solution : 1 litre 5. Vacuum Pump Oil : 1 Litre

3. Acidic Detergent : 1 Litre

Term and condition-

- 1 year warranty
- Have service centres in Punjab
- Install more than 1000 no. machine across India
- The eligible bidders may be those who have a turn over not less than **RUPEES twenty CRORE**. In case of authorized representative of the manufacturers, the turnover of their principal (manufacturer) can also be considered.

ITEM No.29-Plastic Goblets (small)

(4,00,000 Nos.)

Goblets for Storage and transportation of Straws. Made of Non Toxic plastic material. The material should bear the temperature of LN2 . There should not be any change in physical properties of material for long storage in LN2. The edges should not be sharp. The goblet should be straight cylindrical shape without any surface defect and to be supplied in different colours. The colours will be intimated at time to supply. Goblets should be packed in 100 Pc. and hermetically sealed. Name of Manufacturer should be mentioned on out cover with Batch No. / Date /year of Mfg.

Size : OD Approx 9-10 mm

Height : 118 – 120 mm

Capacity ; To contain 15-17 Straws.

Samples:- At least 10 sample should be submitted.

ITEM No.30-Plastic Goblets (large)

(10,000 Nos.)

Goblets for Storage and transportation of Straws. Made of Non Toxic plastic material. The material should bear the temperature of LN2 . There should not be any change in physical properties of material for long storage in LN2. The edges should not be sharp. The goblet should be straight cylindrical shape without any surface defect and to be supplied in different colours. The colours will be intimated at time to supply. Goblets should be packed in 100 Pc. and hermetically sealed. Name of Manufacturer should be mentioned on out cover with Batch No. / Date /year of Mfg.

Size : OD Approx 60-65 mm

Height : 118 – 120 mm

Capacity : To contain 800-820 Straws.

Samples:- At least 10 sample should be submitted.

TERMS AND CONDITIONS

1. E-Tenders are invited for the supply of the items listed from 1 to 1 for the department through the e-tendering process of Govt. of Punjab. For additional details such as items specifications, important dates etc visit the website: <http://eproc.punjab.gov.in> Tender form, specifications, terms and condition can be obtained from this website on payment of Rs. 500/- (online payment) as per e-tendering procedure.
2. Tender shall be accepted only from manufacturers/authorized dealers.
3. The tender will be in double bid system i.e. Technical/Pre-qualification Bids and Financial/Commercial Bids .The Technical Bid should contain comprehensive technical details of the item (Brochure/Catalogue), profile of the manufacturer/supplier, main current clients, experience, tentative delivery period. Financial/Commercial Bids should contain the price (inclusive GST), terms and conditions. Technical Bids would be opened first and Commercial Bids will be opened subsequently of only those tenders who qualify in the Technical Bids. Incomplete/conditional Tenders not received as per e-tendering procedure will be out rightly rejected.
4. The bidder must enclose attested copies/proof of consisting, Pan Card, TIN No., Service Tax No., GST, EPE, Registration/Authorization of the firm etc.
5. The bidder firm should not be black listed/debarred by any department/ organization.
6. The e-tenders should be submitted online till 10/01/2019 upto 5:00 pm and the same will be opened on 11/01/2019 at 11:00 am.
7. The e-tender must be accompanied with earnest money amounting Rs. 1,00,000/- (Rs. One Lakh only) (online payment) as per e- tendering procedure.
8. Tenderers are also required to submit a hard copy of the technical bids of this tender on or before the closing date 10/01/2019, upto 5:00 pm at the office of the under signed i.e. Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, SAS Nagar.
9. The undersigned reserves the right to accept or reject one or all offers/tenders and holds the discretion to increase/decrease the quantity of any or all the items.
10. Successful tenderers will have to submit a Security deposit of 10 % of the ordered value within the stipulated period of time after issuance of orders.
11. For participating in the above e-tender, the contractors shall have to get themselves registered with <http://eproc.punjab.gov.in>. and get user ID & password. Bidders who have not registered with e- procurement portal need to get registered by paying the requisite registration fee for e-tender participation and obtain Class 3 Digital Signature Certificate (DSC) which are mandatory to participate in the e-tendering process. For any clarification/difficulty regarding e- tendering Process please contact on helpdesk at Room no. 313, 2nd floor, Academic the firm registration amount for Digital Signature Certificate DSC).
12. E- Tender details can also be obtained from the Departmental website www.husbandrypunjab.org.
13. Tender shall be accepted only from manufacturers/authorized dealers.
14. Rates should be quoted in Indian Rupees only, FOR anywhere in Punjab/Chandigarh.
15. All applicable taxes should be included in the quote.
16. Brochure/leaflets/catalogues for item should be submitted alongwith tender.
17. Trouble free performance of the equipment for a minimum period of two years from date of commissioning should be guaranteed . Any defect intimated should be attended to and rectified wihin 15 days of receipt of such communication within guarantee period. The guarantee shall include cost of spares and labour.
18. The supplier should give an undertaking that they will be responsible to carry out the preventive maintenance and to repair the equipment during guarantee and post guarantee period.
19. Full details of after sale service offered during the post guarantee period should be furnished alngwith tender specified.
20. Information of actual users of the item in India supported with evidences and performances should be furnished alongwith tender.
21. If required the working of the equipment must be demonstrated in any place to be specified by the supplier.
22. The supplier shall train to the satisfaction of the purchaser one or two technicians at site/factory for operating, servicing and undertaking minor repairs without extra cost. Supplier will have to deposit 10% value of the total price of the items in the form of Demand Draft/FDR payable at Chandigarh in the name of Punjab Livestock Development Board, within 10 days of receipt of supply order as security money.

Sr. No.

Price Rs.100/-

INSTRUCTIONS TO TENDERERS

- 1) Quotations must be enclosed in a properly sealed envelope addressed to the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar by designation and not by name. The quotations must be superscribed “ Quotation for the **items** during the year **2018-19** as called for in e-tender notice, dated **15.12.2018**” . The quotations must reach the O/o Punjab Livestock Development Board Livestock Complex, Sector-68, S.A.S.Nagar, before 10-01-2019 till 5.00 p.m on the date mentioned in the tender notice.
- 2) In the event of the quotations, being submitted by a firm it must be signed separately by each member thereof, or in the event of the absence of any partner it must be signed on his behalf by a person holding a power of attorney authorizing him to do so or in the case of a company the quotations should be executed in the manner laid down in the said company’s articles of Association. The signatures on the quotations should be deemed to be authorized signatures.
- 3) All the columns of the quotations form shall be duly , properly and exhaustively filled in. The rates and units shall not be overwritten. Quotations shall always be both in the figures and words. The words “ No quotations” should be written across any or all of the items in the Schedule for which a tenderer does not wish to tender.
- 4) Any omission in filling the columns of “ Units” and “rates” shall altogether debar a quotation form being considered.
- 5) All corrections must be signed by the tenderers.
- 6) Samples must be sent of all items quoted for each when application or description are laid down. Such samples must be sent freight paid or delivered free to the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar. Each sample should bear a sealed label marked with the tenderer name and address and reference to the item number in the schedule. All instructions regarding the sample specified in the notice should be compiled with. All samples except those against accepted quotations must be removed by the Supplier on a date to be specified by the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar failing which the samples will become the property of PLDB and no claim, therefore will be considered .Loss of samples or damage or wear and tear or injury by testing exposure experiment etc shall be no ground for compensations in any form.

7) A sum of **(INR) Rs.....**/ must be deposited as earnest money in Bank pledged to the Chief Executive Officer, Punjab Livestock Development Board and the receipt must accompany the tender form without which it will not be considered. The said amount will be regarded as forfeitable to PLDB, if any successful tenderer fails within the time fixed by the Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar either to sign the contract or terms contained in the invitation for tender, its tender form and quotation form and condition of contract referred to in the invitation of tenders, or to pay the additional security referred to in the next clauses below:-

1. National Saving Certificate.

2. Postal Saving Bank's Pass Book.

3. State Bank's Call Deposit Receipt or Fixed Deposits

4. Deposit receipts mentioned in item no. 3 tendered by any Schedule bank are also accepted provided these are countersigned by the State Bank of India, whereby the State Bank of India undertakes full responsibility to indemnify this department, in case of default. The above deposits can also be accepted if these are countersigned by the Reserve Bank of India against requisite security furnished by the Scheduled Bank concerned to the reserve bank of India and the reserve Bank of India advises this department that the Deposit Receipt may be accepted.

8) The successful tenders may be required to deposit in addition as security for the due performance of the contract an amount equal to 10 percent of the approximate value of the estimated supply.

9) The Additional Chief Executive Officer, Punjab Livestock Development Board, Chandigarh will have the right of rejection all or any of the quotations, without assigning reasons.

10) No tender will be considered unless and until all the documents are properly signed.

11) The quotations will be regarded as constituting an offer or offers open to acceptance on whole or in part or parts at the discretion of Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar, until the

12) In the event of tender being accepted the quotations will be converted into a contract which will be governed by the conditions in pages 1 to 4 read with these instructions.

Read and accepted

Signatures of the Tenderers

I/We hereby quote to supply the goods material specified in the under-written schedule in the manner in which and within the time specified as set forth in the conditions of contract as pages 1 to 4 at the rates given in the schedule below. The conditions on pages 1 to 4 will be binding upon me/us in the event of the acceptance of my /our tender.

I/We herewith enclose deposit receipt for a sum of Rs.....as security money and should I/We fail to execute an agreement embodying the said conditions and deposit security as laid down in the form within 10days of the acceptance of my/or tender. I/We hereby agree that the above sum of security money shall be forfeited to the Additional Chief Executive Officer, Punjab Livestock Development Board, Chandigarh.

SCHEDULE "B"

Conditions of Contract

This contract is to last fromto.....but in the event of any breach of the agreement at any time on the part of the Contractor, the Contract may be terminated summarily by the Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar without compensation to the Contractor.

Any change in the constitution of the firm shall be notified forth-with by the contractor in writing to the authority sanctioning the contract and such changes shall not relieve any former member of the firm from any liability under the contract.

No new partner/partners shall be accepted into the firm by the contractor in respect of this contract unless he/they agree to abide by all its items, conditions and deposit with the officer sanctioning the contract a written agreement to receipt or acknowledgement or that of any partner subsequently this effect. The contractors/accepted as above shall bind all of them and will be as sufficient discharge for any of the purposes of the contract.

2. The contractor will supply nothing but genuine articles e.g.....described in column 2 of schedule A from time to time in such quantities as may be entered in the indents sent at the rates set forth in column 3 of schedule A for use in offices/institutions/departments under the Administrative control of Government of the Punjab, as may be required by the indenting officers. Mentioned in schedule C hereto annexed on behalf of the Government requisition from officers, not mentioned in schedule C hereto annexed should before compliance be sent in original to the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar for instructions and the officer concerned advised accordingly. No guarantees can be given as to the quantity which will be ordered during this period. But the purchaser undertakes to order from the contractor all stores as detailed in the schedule A which he

requires to purchase except that he reserves to himself the right of placing the contract with one or more contractors as he may think fit and in consideration of this undertaking by Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar the contractor binds himself not to revoke this contract during the said period. The quantities of stores given in the tender are approximate only.

3. The articles to be supplied under this contract will be of the quality equal and answerable in every respect to the specifications given in the list accompanying with the tender and approved by the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar. The contractor shall be responsible for all complaints as regard the quality. In case of dispute regarding quality of articles the decision of the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar will be final and binding on the Contractor. It will be open to the ACEO, PLDB to send samples submitted by the Tenderer/contractor to any laboratory for chemical analysis and the cost thereof will be borne by the tenderes/contractor.
4. The Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar may by notice in writing call upon the Contractor to supply additional articles to serve as sample and upon such notice in writing the Contractor shall at his own cost be bound to supply samples. Such additional samples being in all respect of the same quality as the sample supplied first.
5. The contractor will be responsible for damage or loss in transit and replace good broken or lost within 10 days from the date of notice thereof.
6. Unless when specially ordered otherwise in the order accompanying the indent all goods must be despatched within 14 days of the receipt of indent by the Contractor.
7. Conditions as to time for performance whether laid down herein or in any indent shall be always regarded as the essence of the contract.
8. The panel of officers appointed by the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar shall have the power to inspect the stores before, during or after manufacture, collection, dispatch, transit or arrival and to reject the same or any part or portion after the written approval of Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar, if he or they be not satisfied that the same is equal or according to the sample submitted by the Contractor. The Contractor shall not charge or be paid for supplies rejected as above and such supplies shall be removed by the Contractor at once and at his expense. He shall neither claim nor be entitled to payment for any damage that rejected supplies may suffer from any harm whatsoever incidental to a full and proper examination and any test of such supplies. Board shall be under no liability whatever for rejected supplies and the same will be at the Contractor's risk. Rejected supplies shall be removed by the Contractor within 10 days after notice has been issued to him of such rejection and failing such removed/ rejected goods will be at Contractor's risk and PLDB may charge the Contractor rent for the space occupied by such rejected goods.
9. The contractor shall provide without any extra charge all materials, tools, labour and assistance of every kind which the aforesaid officer may consider necessary for any test or examination which may be required to be made on the contractor's premises and shall pay all cost thereon. In the case of stores inspected at maker's premises, the maker shall provide all facilities including testing appliances, for making necessary test other than

special test or independent test. Failing the facilities at his own premises for making these tests, the contractor shall bear the cost of carrying out tests elsewhere. The contractor shall also provide and deliver free of charge at such place as the aforesaid officer may direct such materials as he may require for tests by chemical analysis or independent testing machine. If, for the purpose of determining the quality of stores the aforesaid officer finds it necessary to have the stores tested at the test house or laboratory, expenses incidental to the test shall be borne by the contractor. On the failure of the contractor to pay the expenses within ten days of the receipt of intimation in this behalf from the Inspecting Officer, shall have the right to deduct the amount from the security deposited by the contractor and if the amount so deducted is not deposited within 10 days, the Additional Chief Executive Officer, Punjab livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar may treat the default as a breach of the agreement and proceed under clause (I) of the agreement without further notice. Further the aforesaid officer shall have the right to put all articles of materials to such tests as he may think proper for the purpose of ascertaining whether the same or in accordance with the specifications or sealed sample mentioned in the tender and to cut on out off/or destroy a portion not exceeding 2 percent from each delivery for such purpose the quantity so cut out or off and/or destroyed as aforesaid shall be replaced by the contractor free of charge.

10. Packing cases containers, gunny packages, etc. which may be used for purposes of packing and which are delivered with stores will not be returned and paid for unless specially stipulated and then at contractor's expenses.

11. Unless otherwise specified in a requisition bills, for the whole of the goods referred to in each indent in triplicate, will be prepared and submitted by the contractor to the consignee for direct payment under intimation to the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar. The balance full amount as the case may be, will be paid on receipt of stores in good condition after their verification as regards specification etc.

Should the payment of any bill be not made within three months from the date of its submission, the party to whom the bill was forwarded should be addressed first. Failing satisfaction, the matter should be reported to the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar. All such complaints should give :-

- i) The number and date of the requisition.
- ii) The designation of the requisition officer.
- iii) The designation and address of the officer to whom the bill was sent by mentioned in (iv) above.
- iv) Full reference to reminders if issued.

12. (i) With every dispatch of goods of material under this contract invoices, in triplicate, will be prepared by the Contractor. Invoices, in duplicate, are to be sent by the contractor to the Indenting Officer the duplicate to be returned by Indenting Officer

with the quantities or number received duly noted thereon and the third copy to be sent by the Contractor to the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar of record in his office.

(ii) Railways Receipt will be forwarded to the consignee immediately after dispatch of stores, Should any demurrage charges be incurred owing to delay on the part of the contractor in forwarding the railway receipt the amount of such charges will be deducted from the bill.

(iii) The Contractor shall dispatch material 'Freight paid' in all cases where there is for destination. In the event of their failure to do so a penalty of 5 percent will be charged on the amount paid as freight by Indenting Officer on their behalf.

(iv) The Contractor will send to the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar. Quarterly statement of the goods supplied under this arrangement in the following form :

Name of Office	Indent No.	Name of articles	Quantity of No. supplied and to whom supplied and where	Value of supplies	Remarks
1	2	3	4	5	6

(v) All dispatches by the rail will be made at railway risk at the expenses of the Indentor (except by firm who have quoted rates F.O.R. any place in the Punjab) unless the Indentor give instructions to dispatch at owner's risk in which case all responsibility for loss in transit will be with the Indentor.

This is subject to the condition that the material are surely packed by the suppliers in sound containers and the consignment is accepted by the carriers without any adverse remarks as to the packing or the conditions of the containers. In case of any adverse remarks, the responsibility with the losses in transit will rest with the suppliers. Subject to those conditions the contractor will be entitled to change or by paid for supplies broken. Lost or damaged in transit. The Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar will be the authority to determine whether or not the breakage, loss or damage was caused through the contractors negligence and the decision of the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68,

S.A.S. Nagar or some other officer/acting in his behalf shall be a final and conclusive against the contract. Such rejected supplied shall be the contractor at his on expenses.

(vi) If during the currency of the contract the specification of article or articles to be supplied there under be changed the contractor shall continue to comply with demands for the supply of the said articles in accordance with the new specification at a rate to be mutually agreed to in writing at the time of such change and in default of such agreement the contract in so far as it relates to the said article or articles under respect of which no agreement has been arrived at, shall terminate but no such change shall affect the supply of any other articles under the contract or entitle the contractor to any compensations.

13. In the event of withdrawal or discontinuance of any articles or articles and consequent ceasing of or reduction in demand the contractor shall not be entitled to any compensation. Government will, however make all reasonable endeavors to give warning of any impending complete withdrawal or of any reduction seriously affecting quantities likely to be required under contract.

14. TO BE SUBMITTED BY EXISTING CLAUSE 14.

The time for and date of delivery or dispatch stipulated in a supply order shall be deemed to be the essence of the contract and should the contractor fail to deliver on dispatch any consignment within the period prescribed or such delivery or dispatch, stipulated in the supply order, the delayed consignment will be subject to 2 percent penalty per consignment per month recoverable on the value of the stores supplied. In case of non payment by the Contractor recovery will be made from his bill or amount or earnest money or security deposited with the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar provided also that:-

a) No recovery of penalty will be made if the delayed supplies are accepted by extending the delivery period either by the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar.

b) On the failure of the supplier to make supply within the extended period on receipt of such information in the office of the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar, risk purchase at the cost of supplier will be made by the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar. The differences of excess cost thus incurred will be recovered from the supplier in a suitable manner and even from his pending bills, earnest money or security whichever is available This procedure will be adopted after sending registered notice to the supplier to supply store within 15 days.

15. The contractor acknowledge that he has made himself fully acquainted with all the conditions and circumstances under which the supplier required under the contract will have to be made or furnish and with all the terms, clauses, conditions, specifications and other details of the contract and the contractor shall not plead ignorance of any of those as excuse in case of complaint against or on rejection of supplies tendered by him or with a view either to asking for enhancement of any rates agreed to in the contract or to evading any of his obligations under the contract.

16. No payment will be made in advance for any supplies under this contract.

17. i) The contractor shall not :-

a) assign or sublet the contract without written approval of the officer sanctioning the contract.

b) Disclose details of the conditions governing this contract to unauthorized persons (Indenting against this contract is permissible only for the bonafide use of Govt. departments and quasi public and not for private parties or for the private use of the Government Officer.

(ii) In the event of the Contractor failing duly and properly to fulfill or committing breach of any of the terms and conditions of this contract or repeatedly supplying goods liable to rejection hereunder or failing, declining neglecting or delaying to comply with any demand i.e. requisition or otherwise not executing the same in accordance with the terms of the contract or if the contractor or his agents or servants being guilty of fraud in respect of the contract or any other contract entered into by the Contractor or any of his partners or representatives thereof with PLDB directing, giving promising or offering any bribes, gratuity, gift, loan, perquisite reward or advantage pecuniary or otherwise to any person in the employment of Government in any way relating to such officer or person or persons office of employment or if the contractor or any of his partners become insolvent or apply for relief as insolvent debtor or commence any insolvency proceeding or make any compositions with his/her creditors or attempts to do so then without prejudice to PLDB rights and remodels otherwise PLDB shall be entitled to terminate this contract forth with and to blacklist the contractor and purchase or procure or arrange from Governments stock or otherwise at the contractors risk and at the absolute discretion of the Additional Chief Executive Officer, Punjab Livestock Development Board, Livestock Complex, Sector-68, S.A.S. Nagar.

The manner, place or time of such purchases, such supplies as have not been supplied or have been rejected under this agreement or are required subsequently by

Government there under and in cases where issues in replacement are made from Government's stocks or supplies the cost and of value of such stocks supplies together with all incidental charges of expenses shall be recoverable from the contractor on demand and the contractor shall not be entitled to benefit from any profit which may thus accrue to Government.

The termination of this contract in whole or part under these conditions shall not be affected by the acceptance, meanwhile or subsequently, supplies of accepted or made at any station whether in ignorance of the termination or otherwise.

18. If any question, difference or objection what so ever shall arise in any way connected with or arising out of this instrument or the meaning or operation of any part thereof or the rights, duties or liabilities of either party then save in so far as the decision of any such matter is herein before provided for and has been so decided every such matter including whether its decision has been otherwise provided for and/or whether it has finally decided accordingly or whether the contract should be terminated or has been rightly termination in whole or part and as regards the rights and obligations of the parties as the result of such termination shall be referred for arbitration to any officer appointed by the Punjab Government acting as such at the time of reference and his decision shall be final and binding and where the matter involves and a claim the amount if any awarded in such arbitration shall be recoverable in respect of the matter so referred.

19. If the price of a contracted articles is controlled by the Government, the payment will in no case be made at higher rate than the contracted rate.

In witness thereof the parties have unto set their hands on the dates indicated below :

1. (In the case of a firm)

Signed by the above named firm of

Through.....partner of the firm.

Date _____

Signature

2. (In the case of company)

The seal of the.....company Ltd., was affixed by virtue of the resolution of the Board No._____ dated_____ the ____ day of _____ 2018

Seal

Signature

1. (In either case)

In the presence of

(i) Signature

Address

Description

(ii) Signature

Address

Description

Signed by.....

Date

Signature of.....

On behalf of the Governor of

Punjab(India)

REGULAR FORM OF SECURITY DEPOSITS PLEDGED TO THE CHIEF EXECUTIVE OFFICER,
PUNJAB LIVESTOCK DEVELOPMENT BOARD C/O DIRECTOR, ANIMAL HUSBANDRY,
PUNJAB, CHANDIGARH.

1. National Saving Certificates.
2. Postal Saving Bank's Pass Book.
3. State Bank's Call Deposit receipt or fixed Deposit receipt.
4. Deposits receipts mentioned in item No.3 tendered by any scheduled bank are also accepted provided that these are countersigned by the National Bank of India, whereby the State Bank of India undertakes full responsibility to this department, in case of default. The above deposit can also be accepted if these are countersigned by the Reserve Bank of India against requisite security furnished by the scheduled bank concerned to the Reserve Bank of India and the Reserve Bank of India advises this department that the deposit receipt may be accepted.

The contractor/seller hereby declare that the goods/stores articles sold to the buyer under this contract shall be of the best quality and workmanship shall be strictly in accordance with the specification and particular contained mentioned in the clause

_____ hereof and the contractor/seller hereby guarantees that the said goods/stocks/articles would continue to conform to the description and quality aforesaid for a period of _____ days/months from the date of delivery of the said goods/stores/articles to the purchaser and that notwithstanding the fact that the purchaser (Inspector) may have inspected and/or approved the goods/stores/articles if during the aforesaid period of _____days/months the said goods/stores/articles be discovered not to conform to the description and quality aforesaid or have deteriorated and the decision of the purchase in that behalf will be final and conclusive) the purchaser will be entitled to reject the said good/stores/articles or such portion thereof as may be discovered not to conform to the said description and quality. On such rejection the goods/articles/stores will be at the seller's risk and all the provisions herein contained relating to rejection of goods etc. shall apply. The contractor/seller shall if so call upon to do, replace the goods etc. or such position thereof as rejected by the purchaser such damages as may rise by reason of the breach of the condition herein contained. Nothing herein contained shall prejudice any other right of the purchaser in that behalf under this contract otherwise.