

2. Technical Specifications

(i). Tweezers - (100 Numbers)

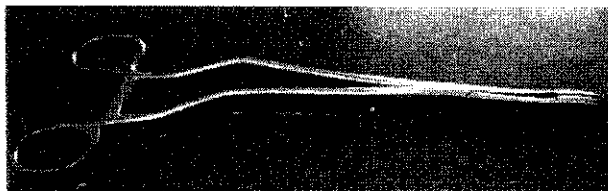
Specification	Bidder's response (Yes / No)	If No, comments
• Tweezers should be properly proportioned.		
• 6.5" long stainless-steel tweezer for quick & easy removal of frozen semen straws from semen canisters.		
• It should be shaped with a special symmetrically grooved tip that grips & surrounds the straw, yet does not crush it.		
• Instrument should not be transmitted heat or cold and should be resistant to damage at the liquid Nitrogen temperature.		
Warranty Period		
Make/Model		
Country of origin		
** Sample should be submitted within two (02) weeks of bid opening date. Otherwise bidding documents will be rejected after due date **		
Unit Price without VAT (Rs)		
Total Price without VAT (Rs)		
Unit Price with VAT (Rs)		
Total Price with VAT (Rs)		

(2) Thawing Unit (Digital) – (100 numbers)

Specification	Bidder's response (Yes / No)	If No, comments
• Material-Durable, very lightweight (500-600g) & non- corrosive ABS plastic.		
• Design- Should contain inbuilt vibrator for uniform heating, lift -out semen straw basket & should be water & dust proof.		
• Accuracy- high precision & should supply precise temperature control for semen thawing.		
• Display- Digital LED screen indicating water temperature & timer.		
• Battery- inbuilt battery for 20-30 cycles per charge.		
• Design- Compact and portable for easy handling and transport		
• Capacity- (4-10) straws at a time		
• Thaw monitor should be highly accurate unbreakable strip & It should be water resistant.		
• Dimensions-Approx. 6 x 6 x 8 inches		
• Manual-Provided with detailed usage, maintenance, and safety instructions		
• Cleaning- should be easy to dis-assemble and clean the components		
Warranty Period		
Make/Model		
Country of origin		
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Unit Price with VAT (Rs)		
Total Price with VAT (Rs)		

(3) Goblet Forceps (Straight End) (Approximately 250mm) – (12 Number)

Specification	Bidder's response (Yes/No)	If No, comment
• Length - 250mm		
• Curvature – straight		
• Working surface style -Serrated		
• Material -Stainless steel		
• Disposable or reusable type -Reusable		
• Latex or latex free- Latex - free		
• Grade - Premium OR-Grade		
Warranty Period		
Brand		
Country of Origin		
** Sample should be submitted within two (02) weeks of bid opening date. Otherwise bidding documents will be rejected after due date **		
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Unit Price with VAT (Rs)		
Total Price with VAT (Rs)		



(4) Semen Straw Freezing Rack (Fixed rack 200-250 straws) - (10 Numbers)

Specification	Bidder's response (Yes / No)	If No, comments
• Constructed from high grade stainless steel or aluminum.		
• Design to hold 0.25ml semen straws securely.		
• Capacity -200 – 250 Straws / rack		
Warranty Period		
Make/Model		
Country of origin		
** Sample should be submitted within two (02) weeks of bid opening date. Otherwise bidding documents will be rejected after due date **		
Unit Price without VAT (Rs)		
Total Price without VAT (Rs)		
Unit Price with VAT (Rs)		
Total Price with VAT (Rs)		

(5) PH Meter - (01 Numbers)

Specification	Bidder's response (Yes / No)	If No, comments
• Description – Hand-held Meter with pH Probe		
• Meter type – Portable		
• Display type – LCD		
• pH range – (0 – 14)		
• pH resolution – (0.01 - 0.1)		
• pH accuracy - $\pm(0.01)$ pH		
• Buffer recognition – NIST and USA		
• Calibration - Up to 5 points		
• mV resolution - 1 mV		
• mV accuracy - $\pm(0.2)$ mV or 0.05%, whichever is greater		
• Min Temperature (Degree C) – (-10)		
• Max Temperature (Degree C) - 110		
• Temperature compensation – Automatic		
• Battery - 4 x AAA batteries (included)		
• Width (cm) - 8.5725 (approximately)		
• Height (cm) - 4.28625 (approximately)		
• Height (Inch Short) - 1.6875 (approximately)		
• Width (Inch Short) - 3.375 (approximately)		
Warranty Period		
Make/Model		
Country of origin		
** Manufacture issued original catalog should be available with the bidding documents **		
Unit Price without VAT (Rs)		
Total Price without VAT (Rs)		
Unit Price with VAT (Rs)		
Total Price with VAT (Rs)		

(6) Oxygen Detector - (04 Numbers)

Specification	Bidder's response (Yes / No)	If no, comments
• Detection Range – (0–25)% O ₂ (as Oxygen deficiency can occur in this rang)		
• Accuracy - $\pm 1\%$ of full scale to ensure precise measurements of Oxygen levels.		
• Alarm System: Dual-Level Alarms: Audible and Visual alarm to alert low & critically low oxygen levels.		
• Visual Indicators: LED or LCD display with clear indication of Oxygen levels, preferably with a tri-color display that changes color based on Oxygen concentration.		
• Sensor Type: Long life zirconium oxide sensor		
• Location – Wall mounted Oxygen Detector		
Warranty Period		
Make/Model		
Country of origin		
** Manufacture issued original catalog should be available with the bidding documents **		
Unit Price without VAT (Rs)		
Total Price without VAT (Rs)		
Unit Price with VAT (Rs)		
Total Price with VAT (Rs)		

(7) Liquid Nitrogen Ranger - (01 Numbers)

Specification	Bidder's response (Yes / No)	If No, comments
• Effective volume – 220L		
• Gross Weight (With Liquid Nitrogen) – Approximately 275kg		
• Working pressure – 2.5 bar		
• Self-pressurized with float type liquid level meter		
• Material- High quality stainless steel		
• With filling / discharge valve, pressure relief valve & vaporize valve		
• Pressure building regulator available for automatic filling application.		
• Liquid Nitrogen supply to other container or equipment (Biological freezer)		
• Dual pressure relief valve design for safety.		
Warranty Period		
Make/Model		
Country of origin		
** Manufacture issued original catalog should be available with the bidding documents **		
Unit Price without VAT (Rs)		
Total Price without VAT (Rs)		
Unit Price with VAT (Rs)		
Total Price with VAT (Rs)		