

No. IV-21011/05/2014-Prov-I
भारत सरकार/Government of India
गृह मंत्रालय/Ministry of Home Affairs
पुलिस आधुनिकीकरण प्रभाग /Police Modernization Division
संभरण-I डेस्क/Prov.I Desk

26, Man Singh Road, Jaisalmer House,
New Delhi, the 11th January, 2016.

To,

DsG : AR (through LOAR), BSF, CISF, CRPF, ITBP, SSB, NSG & BPR&D.

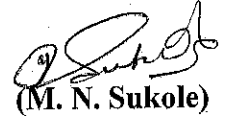
Subject : QRs and Trial Directives for 28 items of Veterinary Equipments/Instruments.

The QRs and Trial Directives in respect of 28 items of Veterinary Equipments/Instruments as per the Annex-I and Annex-II respectively have been accepted by the Competent Authority in MHA.

2. Henceforth, all the CAPFs should procure the above items required by them strictly as per laid down Technical Specifications/QRs.

3. Concerned CAPF will be accountable for correctness of the QRs/Trial Directives.

Yours faithfully,



(M. N. Sukole)

Under Secretary (Prov-I)

Encl.: As above.

Copy to : SO(IT), MHA : with the request to host the revised QRs and Trial Directives of Explosive Detector on the MHA website (under the page of Organizational Set up-Police Modernization Division-Qualitative Requirements-QRs-hospital.html), soft copy being sent through email.



(M. N. Sukole)

Under Secretary (Prov-I)

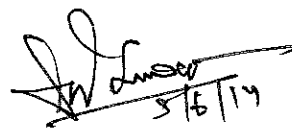
Copy to : DDG(Procurement), MHA.

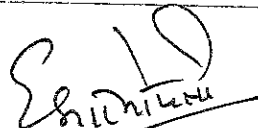
QUALITATIVE REQUIREMENTS (QRs) APPROVED BY THE
ADG (MEDICAL) CAPFs ITBP, CAMP TIGRI NEW DELHI.

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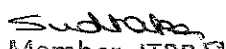
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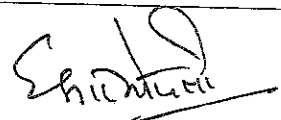

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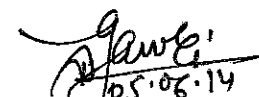

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Addl. Director General (Med)
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MHA, Govt. Of India
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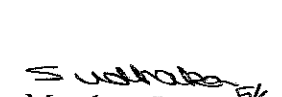
QR for Veterinary Laser Shower with Laser Comb

Sr.No.	Parameters
1.	Use- For treatment of bowed tendons , open wound healing and reduction of inflammation.
2.	Should be veterinary specific semiconductor therapeutic laser 785nm/ 910nm for optimal penetration in animal body.
3.	Should have minimum area irradiation of 5500mm ² to cover large affected area of Dog & Horse
4.	Should emit laser rays via laser shower and laser comb interchangeable by the user at the click of a knob
5.	Should have maximum 21 simultaneously activated laser diodes with at least 4 intensive Ruby light diodes
6.	Should have filter glass for protection of laser diodes when used in field areas
7.	Should have minimum effective power of 50mW in each laser diode with facility to adjust laser power from 5mW to 50mW depending on condition of the animal
8.	Should have pulse duration of maximum 1mS and effective power of twice the peak power
9.	Should have multiple operation modes i.e. CW, multifrequency, Nogier A-G, Bahr 1-7, Reininger 1-12 with all frequencies freely selectable on pulse modulation
10.	Should have multi-frequency random signal from quartz oscillator



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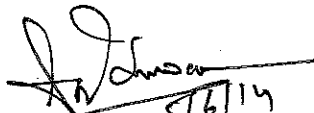

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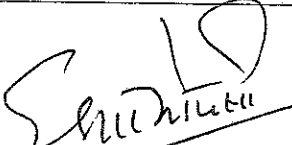

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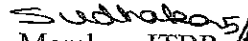

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11.	Should have color display screen with X-direction radiation divergence of 8° to 20° and Y-direction radiation divergence of 20° to 25°
12.	Should be 3B laser class with BF appliance classification good for working in extreme Indian conditions on 230 V~, 50-60 Hz power supply
13.	Should be supplied in sturdy metal carrying and storing case with laser shower and laser comb heads, laser safety glasses, operation manual and laser protection glass
14.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
15.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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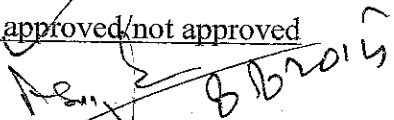

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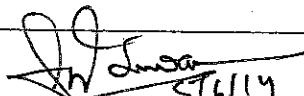

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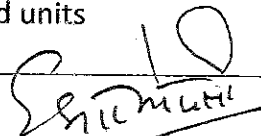
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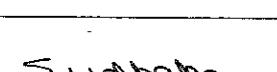
QR for Portable Hand-Held Veterinary Fiber Endoscope

Sr.No.	Parameters
1.	Should be veterinary portable hand held fiber endoscope or fiberscope weighing more than 500 gms for examination of respiratory, digestive, urogenital , ENT system for disease diagnosis .
2.	Should have fiberscope coated with vinyl or temperature compressed material for softness and flexibility
3.	Should have inbuilt LED/ halogen Light Source working on AA sized batteries
4.	Should have minimum fiberscope length of 50" for utility in nose, ear, sinus, cyst, urethra, esophagus and rectum of animals.
5.	Should have fiberscope field view of minimum 45° at ambient lighting conditions with viewing distance of minimum 10mm
6.	Should have different insertion tube diameters of 6mm, 6.5mm and 9mm with external cleaning brush.
7.	Should be supplied in sturdy metal carrying and storing case with operation manual, angular reflector mirror and cleaning tissue
8.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
9.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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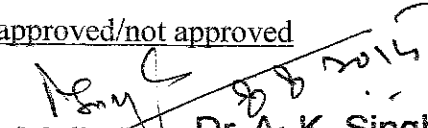

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QR for Veterinary Multiple Parameter Monitor

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Sr.No.	Parameters
1.	Use- For monitoring of ECG , SPO2, NIBP respiration and temperature .
2.	Should be veterinary specific portable multiple parameters monitor for monitoring, diagnosis & operation
3.	Should be handy and convenient with maximum weight of 2.5kg for use even in extreme Indian field conditions working on rechargeable built-in battery
4.	Should have minimum 10" Color TFT LCD Screen with maximum 8-waveform display
5.	Should have facility of continuous data storage of minimum 3 days, with in-built printer
6.	Should have inbuilt non-interference feature against electro surgical device, electrical knife and defibrillator
7.	Should have adjustable brightness function especially for use during nighttime
8.	Should have scope for software up-gradation
9.	Should be supplied with data transmission cable, patient cable, equine and canine specific body clips/connectors, ECG gel
10.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
11.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units

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Member-AR

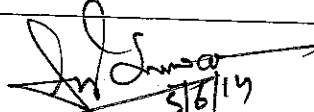
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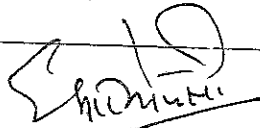
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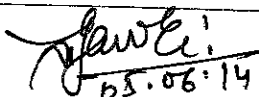
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QR for Portable Battery Operated Diagnostic Ultrasound Scanner


Sr.No.	Parameters
1.	Use- This equipment is used in imaging, diagnosing and printing of general / abdominal / gynecology- obstetrics, small parts, superficial musculo- skeletal and fat measurement etc.
2.	Should be single man usable portable and lightweight exclusively for veterinary use on canine and equine
3.	Should come with inbuilt color Doppler & pulse wave Doppler
4.	Should work on applications viz. general, abdominal, gynecology, obstetrics, small parts, superficial, musculoskeletal among others
5.	Should be easy to carry and weight should be between 3.0kg to 3.5kg including weight of inbuilt, interchangeable and user extractable Battery
6.	Should have battery back-up of minimum 5 working hours
7.	Should be useful for immediate use, boot up time of maximum 20 seconds including inbuilt facility to restart without boot-up
8.	Should have minimum 8" TFT LCD monitor with VGA Format Display size 640 x 480
9.	Should have inbuilt video recording facility with recording area size 640 x 480
10.	Should have adjustable tilt with stereo sound via inbuilt facility with integrated loudspeaker
11.	Should have digital brightness adjustment, MI mechanical index & TI thermal index

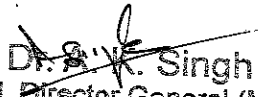

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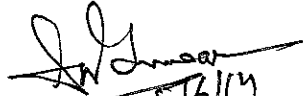

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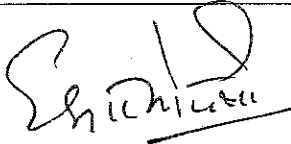

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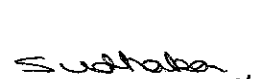

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Addl. Director General (Med) -6-
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12.	Should have following multi-frequency probes with facility to interchange the probe without restarting the scanner to prevent any dynamic image loss -: <ul style="list-style-type: none"> • Wideband convex probe of central frequency 3.5 MHz, B mode frequencies of 2.5 MHz, 3.5 MHz & 5.0 MHz for applications on musculo-squelletic, cardiac examination on equine, abdominal & small Parts on canine • Wideband linear probe with central frequency 7.5 MHz, B mode frequencies of 5.0MHz, 7.5 MHz & 10.0 MHz for applications on equine tendon diagnosis & canine Superficial Parts • Wideband Linear rectal probe with central frequency 7.5 MHz, probe bandwidth of 5MHz to 10MHz, B mode frequencies of 5.0 MHz, 7.5 MHz & 10.0 MHz for applications on obstetrics & gynecology
13.	Should have color Doppler and pulse wave Doppler as part of the standard configuration with color Doppler having velocity, color invert with on/off feature
14.	Should have color Doppler with automatic CFM focus, adjustable and selectable area of interest, position, size of minimum 0-120 gain
15.	Should have selectable and adjustable pulse wave gate position, gate size, frequency & gain from 0-21
16.	Should have adjustable baseline, adjustable audio, simplex mode and automatic measurements in pulse wave mode with user convertible presets & protocols
17.	Should have input and output options on the scanner device itself for external screen display, thermal printer, DVI connection and USB port facility
18.	Should have processing via minimum 32 true emission channels with minimum 64 reception channels and multi-zone focusing



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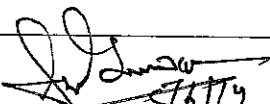

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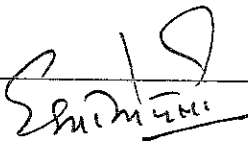

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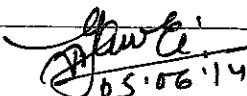

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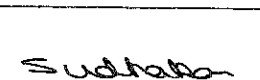
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19.	Should have continuous dynamic focusing in receive with FREE inbuilt ultrasound software upgrade (FPGA) for total warranty duration of the equipment
20.	Should have alphanumeric physical keyboard, touch-pad, related keys for easy access to operation menus and audio adjustment
21.	Should have B, B+B, B+M & M operational modes with adjustable area region of interest, zoom and full screen zoom function and minimum 5 user selectable focus points for each focus
22.	Equipment should have cine loop, text & annotations, protocols, automatic and manual measurement and tables
23.	Equipment should have storing facility for clips and images with facility to transfer to PC, laptop and DICOM feature supplied with minimum 32GB USB Stick
24.	Equipment should have data entry settings for patient name, breed, species, body marks, image storage in.jpeg & .bmp file formats, video clip storing format
25.	Equipment should have individual user protocols, export feature for images, clips, reports, patient files to/review from USB, archiving of patient files and reports on USB
26.	Equipment should be supplied in carry case with battery recharger, minimum 32GB memory stick, minimum 5 liters ultrasound gel
27.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
28.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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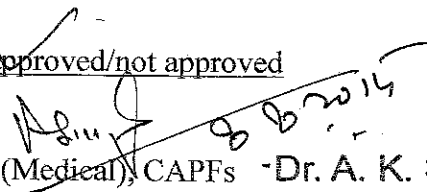

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 Member-AR.

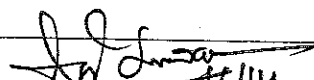
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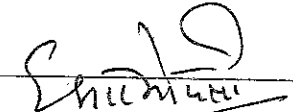

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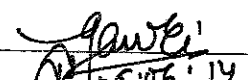
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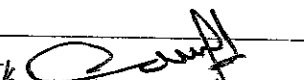
QR for Therapeutic Veterinary Laser with Spot Diagnosis

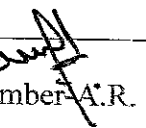
Sr.No.	Parameters
1.	Use- Bowed tendons , accelerated tissue repair , acupuncture point finding device .
2.	Should be veterinary specific battery operated semi-conductor therapeutic laser 785nm /910nm.
3.	Should be microprocessor control with automatic Point-finder device weighing not more than 150grams
4.	Should have minimum effective power of CW 20mW, 40mW & 60mW & multi-frequency 30mW and pulse duration of maximum 1mS
5.	Should have laser system using extended optical fiber for deep animal skin penetration
6.	Should have inbuilt acupuncture point finding device with automatic skin contact switch-on
7.	Should have power station, file laser power measurement, loading station, digital indicator and other freely selectable features
8.	Should have single console operation for digital therapy display, laser measurement, charging system and presenter
9.	Should have X-direction radiation divergence of 8° to 20° and Y-direction radiation divergence of 20° to 25°
10.	Should be 3B laser class with BF appliance classification and compatible to work in extreme Indian conditions on 230 V~, 50-60 Hz power supply
11.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
12.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units



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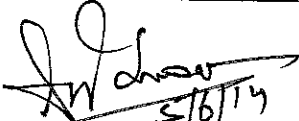

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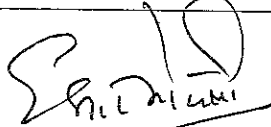

 Member-A.R.


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 ADG (Medical), CAPFs Addl. Director General (Med)
 CAPFs, NSG & AR

QR for Automatic Bio-Chemistry Analyzer


Sr.No.	Parameters
1.	Should be veterinary specific automatic biochemistry analyzer working on open system principle .
2.	Should have minimum 7 filters having wavelengths of 340, 405, 492, 510, 546, 578 and 630 nm
3.	Should have test memory of minimum 100 programs
4.	Should have with facility to program parameters either beforehand or at current time as per need with automatic storage of scale parameters of the first detection
5.	Should have LCD/ TFT display with user-friendly menu system and computer connectivity
6.	Should be capable of completing comprehensive & statistical report, quality control for any item and provision for research and output Function with data entry via key board and out put via laser printer.
7.	Should have automatic storage and calculation of output control data, end-point, kinetic, 2-point, standard curve, conc. & bi-chromatic detection



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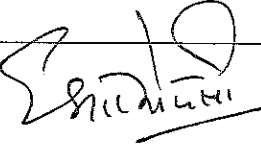

Member -ITBP 5/6


Member-A.R.

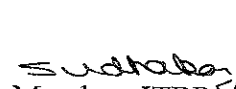

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8.	<p>Should comply to following technical specifications:</p> <ul style="list-style-type: none"> • Wavelength Range 340nm ~ 700nm • Measurement Range 0.001 ~ 3.000Abs • Precision ± 0.001 Abs • Repeatability < 0.005 Abs • Linearity < ±1% • Cross Contamination < 1% • Temperature Accuracy ±0.1°C • Test Temperature 25°C • Test Method End point, kinetic, 2 point, standard curve & single/double, wavelength exam • Colorimetric Pool Titanium alloy • Reagents Open system • Display Absorbency, density, active unit, normal parameters
9.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
10.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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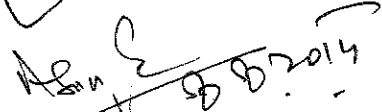

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QR for Fully Automatic Veterinary Hematology Analyzer

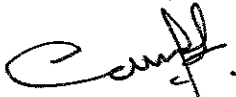
Sr. No.	Parameters
1.	Should be veterinary specific fully automatic hematology analyzer working on open system principle.
2.	Should perform quantitative analysis of blood cells for animals i.e. red blood cells series and hemoglobin, platelet and leukocyte, in-vitro
3.	Should have analysis parameters on canine, equine, bovine, ovine and cameline
4.	Should work on parameters of electrical impedance (E.I.) used for quantitative measurement of the blood in minimum 19 parameters and 3 histograms
5.	Should use screw transmission technology having memory of minimum 20,000 test results
6.	Should have output via built-in thermal printer and RS232 joint, PS2 Keyboard Interface, Printer Interface and USB



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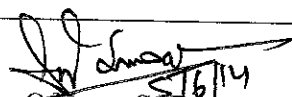
Sudhakar
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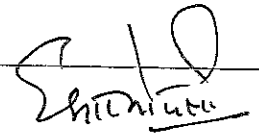

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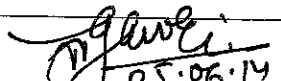

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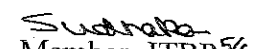
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7.	<p>Should comply to following technical specifications:-</p> <ul style="list-style-type: none"> Parameters RBC, HGB, WBC, LY#, MO#, GR#, LY%, MO%, GR%, HCT, MCV, MCH, MCHC, RDW, PLT, MPV, PCT, PDW Linearity Range <table border="0"> <tr> <td>RBC</td> <td>1.00~9.99X10¹²/L</td> </tr> <tr> <td>HGB</td> <td>20g/L~200g/L</td> </tr> <tr> <td>WBC</td> <td>0.5~99.0X10⁹/L</td> </tr> <tr> <td>PLT</td> <td>50~999X10⁹/L</td> </tr> </table> Precision (CV) <table border="0"> <tr> <td>RBC</td> <td>≤ 2.5%</td> </tr> <tr> <td>HGB</td> <td>≤ 1.5%</td> </tr> <tr> <td>WBC</td> <td>≤ 3.5%</td> </tr> <tr> <td>LY%</td> <td>≤ 6%</td> </tr> <tr> <td>MO%</td> <td>≤ 12%</td> </tr> <tr> <td>GR%</td> <td>≤ 6%</td> </tr> <tr> <td>MCV</td> <td>≤ 2%</td> </tr> <tr> <td>PLT</td> <td>≤ 5%</td> </tr> <tr> <td>MPV</td> <td>≤ 3%</td> </tr> </table> 	RBC	1.00~9.99X10 ¹² /L	HGB	20g/L~200g/L	WBC	0.5~99.0X10 ⁹ /L	PLT	50~999X10 ⁹ /L	RBC	≤ 2.5%	HGB	≤ 1.5%	WBC	≤ 3.5%	LY%	≤ 6%	MO%	≤ 12%	GR%	≤ 6%	MCV	≤ 2%	PLT	≤ 5%	MPV	≤ 3%
RBC	1.00~9.99X10 ¹² /L																										
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MO%	≤ 12%																										
GR%	≤ 6%																										
MCV	≤ 2%																										
PLT	≤ 5%																										
MPV	≤ 3%																										
7.	<ul style="list-style-type: none"> Dilution Ratio <table border="0"> <tr> <td>WBC/HGB</td> <td>1:500</td> </tr> <tr> <td>RBC/PLT</td> <td>1:50000</td> </tr> </table> Sample volume 20µl Periphery Whole blood 	WBC/HGB	1:500	RBC/PLT	1:50000																						
WBC/HGB	1:500																										
RBC/PLT	1:50000																										
8.	<p>Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.</p>																										
9.	<p>Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units</p>																										


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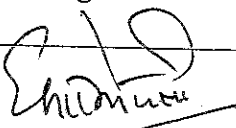

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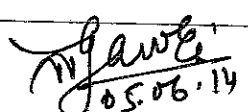
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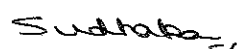
QR for Veterinary High Frequency Digital X-Ray Mobile Machine

Sr. No.	Parameters
1.	Should be BARC (Bhabha Atomic Research Centre) certified for quality and safety assurance.
2.	Should be portable veterinary specific system for both large and small animal diagnosis combining portable X-Ray unit for outside examination with all characteristics, stationary column and mobile table of high range stationary system for use in Veterinary clinic and hospital
3.	Should have 8kW Ultra-High Frequency Ripple 300kHz Inverter with 2-point radiographic technique operation mode viz. kV and mAs and inbuilt Animal Anatomical Programme or APR with minimum 20 memory positions
4.	Should have kVp range in 1kVp steps from 40 to 115 with 20W super LED light source ensuring LOW thermal dissipation and minimum 1000 hours shelf life
5.	Should have very high accuracy of $\pm 5\%$ with minimum 14 mA stations viz. 5, 6.4, 8, 10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80 and 100
6.	Should have inbuilt facility with automatic flexible exposure time ranging from 0.001 seconds to 10 seconds with 41 stations in 25% steps with capability to carry out unlimited amount of consecutive exposures
7.	Should have mAs range 0.1 to 200mAs with 34 stations in 25% steps with very high accuracy of $\pm 5\%$
8.	Should have X-Ray tube stationary anode with double focal spots of 0.6mm and 2.8mm and target angle of 12° with Red Laser Pointer and additional knob for remote switching of collimator LED light



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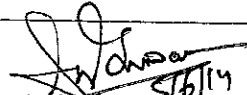

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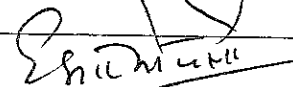

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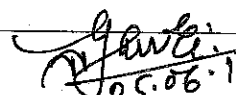

Member-A.R.

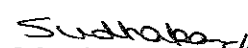

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9.	Should have anode heat storage capacity of minimum 76000 HU for use in different field and indoor environments
10.	Should have wide line regulation of 90 to 285 volts requiring maximum 10 amps to operate for use in different environment with inbuilt single phase line automatic regulation including automatic output power adaption to power line conditions
11.	Should weigh between 10Kg to 25kg for weight of standalone X-Ray equipment.
12.	Should be supplied with portable and very light weight data presenter, analyzer and recorder which should be battery operated with minimum 5 hour battery life with veterinary image editing feature and onboard LAN, Wi-Fi transmission, USB and facility to connect to external monitor
13.	Should be fully connectable to Small Animal X Ray table of the same manufacturer and make via total tool free and quick assembly and Disassembly.
14.	Should have Small Animal X Ray table fitted with brake enabled rugged wheels and grid cabinet table top with indication marks of different standard cassette sizes.
15.	Should be supplied with portable, rugged and wheel fitted transportation and storage case with internal padding and cushioning
16.	Should have portable digital imaging flat panel detector (DR plate) weighing between 3kg to 4kg supplied with the X ray equipment connectable to military grade PC/Laptop with touch screen control



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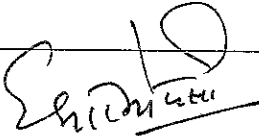

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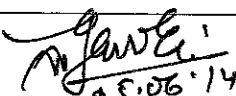

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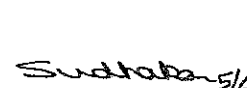

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17.	<p>Should have digital imaging flat panel detector with amorphous silicon type TFT, CSL:TI X Ray convertor with following specifications:-</p> <ul style="list-style-type: none"> • Pixel Pitch 0.127mm • Active Pixel Array 2080/2560 pixels • A/D 14 bits • Dynamic Range >73 dB • Energy Range 40kV - 120kV • Image Lag < 0.03% (after 10 seconds) • Preview Time ~ 4 seconds • Data Output Ethernet 100 Mbps
18.	<p>Should have dedicated Veterinary Anatomically Programmed Radiography (APR) software pre-installed with detailed diagnosis assistance for large and small animal species especially Dog and Horse for X Ray in all medical conditions and ailments working on the touch screen interface of the PC/Laptop</p>
19.	<p>Should have built in interface panel for work in extreme conditions with PACS system supplied in soft cover carrying case with interface panel cover</p>



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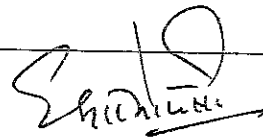

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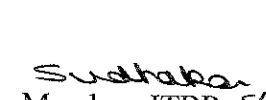

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20.	<p>Should have military grade PC/Laptop with touch screen control for digital data acquisition with following specifications:-</p> <ul style="list-style-type: none"> • Make of Reputable manufacturer viz. Dell, HP, Toshiba or any other or reputed and international standing • Motherboard Intel Core 2 Duo P8700, 2.53GHZ, 1066MHz 3M L2 Cache, Dual Core 2GB, DDR2-800 SD RAM, 2 DIMM for Latitude OR better • Internal Keyboard, English, and Backlit • Storage Capacity of 128GB (or more) Encrypted mobility solid state HDD • Display on 14.1" (or more) wide screen WXGA rugged touch screen LCD • WINDOWS Operating system with Data backup feature pre installed • Connectivity with Internal MDC modem, Roxio creator for media, WLAN 1397 ½ mini card, resource DVD with diagnostics and drivers for PC/Laptop • Microsoft Office software pre-installed with facility to work on .JPEG, .BMP, .PNG, .PDF file formats
21.	Equipment should be supplied with portable, rugged and wheel fitted transportation and storage case with internal padding and cushioning
22.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
23.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units.


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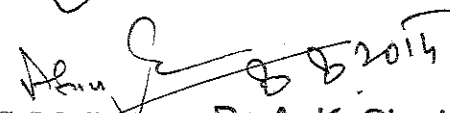

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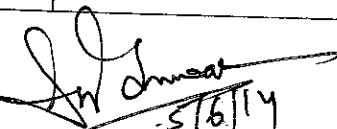

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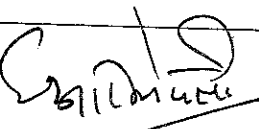
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QR for Equine Weighing Scale

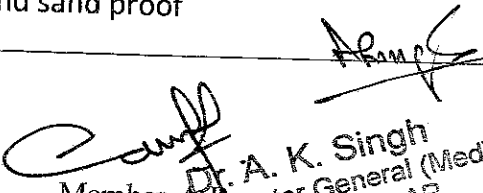
Sr.No	Parameters
1.	Should be sturdy, hardy, accurate and heavy duty equine weighing scale
2.	Should be usable in Indian weather conditions and terrain all weathers and terrain with walk-on/walk-off platform made from aluminum and stainless steel
3.	Should have robust aluminum construction with anti-skid rubber flooring for durability and safety and acoustic absorption
4.	Should have horse standing area not less than 2 meter (L) x 1 meter (W) x 10cms (H).
5.	Should be able to record and display weight accurately within 3 seconds without compulsion of horse to stand still during weighing process
6.	Should have maximum deviation of $\pm 1\%$ with inbuilt horse weight averaging software
7.	Should display weight in KG with lowest weight increment of 100gms on weighing capacity of 1500kg, overload capacity of 3000kg
8.	Should never require recalibration
9.	Should have memory facility function with 5 digits, backlit LED display with handheld/wall mounted display and read-out unit with rechargeable battery having capacity to weigh minimum 500 horses on full charge having battery life more than 15 hours.
10.	Should be able to work accurately in temperatures from -10°C to $+50^{\circ}\text{C}$, remain 100% water-proof and sand proof


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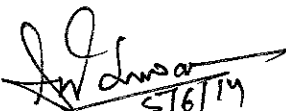

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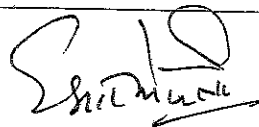

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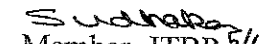
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11.	Should be transportable via transporting trolley not require any special storage conditions.
12.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
13.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units

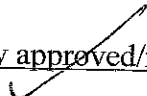

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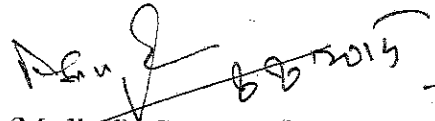

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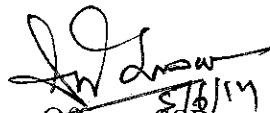
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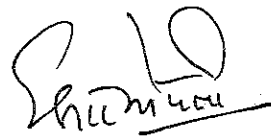

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QR for Horse Tooth Rasp

Sr.No.	Parameters
1.	Should be ergonomically designed horse tooth rasping model weighing not more than 750gms
2.	Should have minimum 30mm disk diameter with 360° rotating head workable in 4 positions with simple twist system using pull and turn of the head to position the disk in required position
3.	Should be battery operated and cordless with rechargeable battery backup of minimum 5 hours.
4.	Should have adjustable RPM between 2500 to 5000 with minimum 20" long curved stainless steel shaft with rubber handle
5.	<p>Should have following different types of non heating diamond grinding and rasping disks each capable of performing approximately 400-500 rasping-:</p> <ul style="list-style-type: none"> • Maxillary of minimum length 25cm and minimum diameter 15mm • Mandibular of minimum length 25cm and minimum diameter 20mm • Vestibular of minimum length 25cm and minimum diameter 15mm • Angle of minimum length 15cm and minimum diameter 15mm • Bowl of minimum length 15cm and minimum diameter 20mm • Disk of minimum length 15cm and minimum diameter 50mm with minimum disk thickness of 1mm • Bit seat of minimum length 15cm and minimum diameter 15mm • Tooth socket of minimum length 9cm and minimum diameter 15mm



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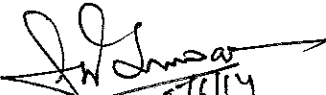

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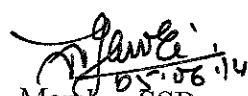

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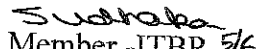

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6.	Should have minimal maintenance with water resistant head capable of cleaning with water
7.	Should have Ground Fault Circuit Interrupter for equipment protection during usage on DC
8.	Should be supplied in a sturdy and convenient transport and carry case
9.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
10.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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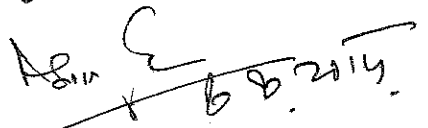

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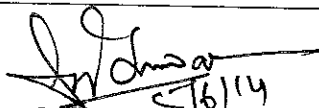

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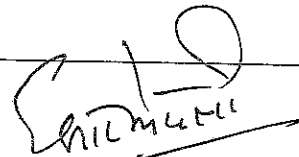
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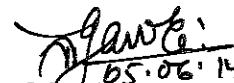

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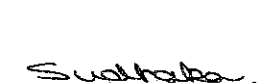
QR for Urine Chemistry Analyzer

Sr.No.	Parameters
1.	Should have a facility to read minimum 11 Parameters Strip via Multiple Strip Reader and Analyzer
2.	Should have minimum output of 500 strips/hour via inbuilt cold light source
3.	Should have option to read Micro Albumin as one of the parameter
4.	Should have 4 different wavelengths of 525nm, 572nm, 610nm & 660nm
5.	Should have inbuilt RS 232 port, computer connectivity with storage of minimum 2000 Patient Data, Multiple Equipment Interfacing with inbuilt facility to connect urine sediment analyzer and Barcode Reader
6.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
7.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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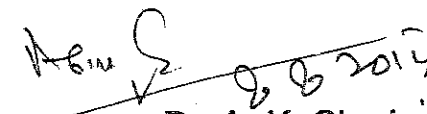

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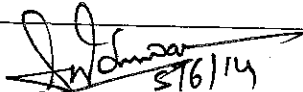

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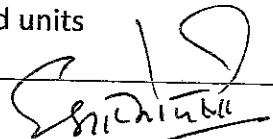
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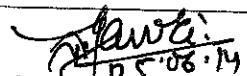

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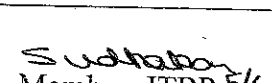
QR for Rapid Disease Diagnosis Kit for Canine Parvo, Distemper and Hepatitis

Sr.No.	Parameters
1.	Should be portable, simple to use with tests performed by veterinarian and laboratory technician under field conditions
2.	Should provide ELISA based quantitative accurate results within 20-25 minutes
3.	Should have ability to individually test per dog with no compulsion of running a minimum batch of tests
4.	Should provide accurate test results for multiple diseases viz. Canine Parvo, Distemper and Hepatitis Virus all in a single test
5.	Should be equipment free with no equipment needed to be attached while making tests or to generate results
6.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
7.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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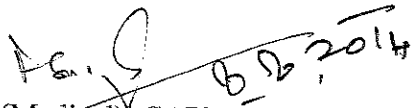

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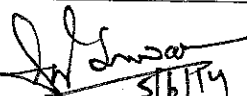

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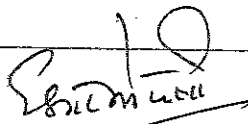
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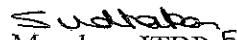
QR for Rapid Disease Diagnosis Kit for Canine Ehrlichia

Sr.No.	Parameters
1.	Should be portable, simple to use with tests performed by veterinarian and laboratory technician under field conditions
2.	Should provide ELISA based quantitative accurate results within 20-25 minutes
3.	Should have ability to individually test per dog with no compulsion of running a minimum batch of tests
4.	Should be equipment free with no equipment needed to be attached while making tests or to generate results
5.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
6.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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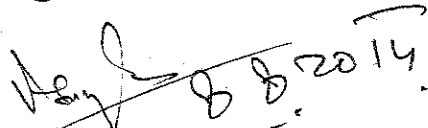

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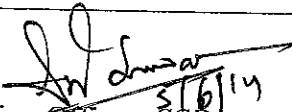

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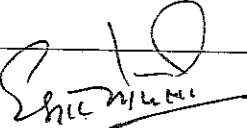
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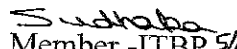
QR for Rapid Disease Diagnosis Kit for Canine Brucella

Sr.No	Parameters
1.	Should be portable, simple to use with tests performed by veterinarian and laboratory technician under field conditions
2.	Should provide ELISA based quantitative accurate results within 20-25 minutes
3.	Should have ability to individually test per dog with no compulsion of running a minimum batch of tests
4.	Should be equipment free with no equipment needed to be attached while making tests or to generate results
5.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
6.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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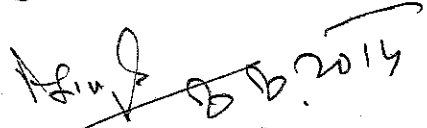

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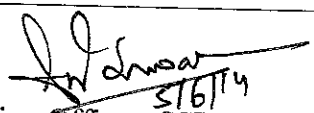

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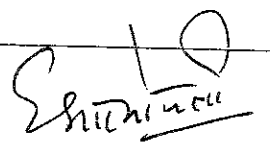
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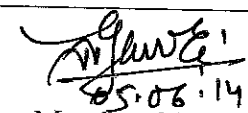

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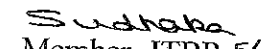
QR for Rapid Disease Diagnosis Kit for Canine Leptospirosis

Sr.No.	Parameters
1.	Should be portable, simple to use with tests performed by veterinarian and laboratory technician under field conditions
2.	Should provide ELISA based quantitative accurate results within 20-25 minutes
3.	Should have ability to individually test per dog with no compulsion of running a minimum batch of tests
4.	Should be equipment free with no equipment needed to be attached while making tests or to generate results
5.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
6.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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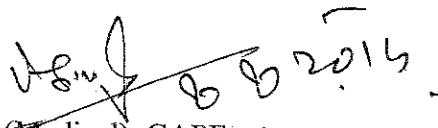

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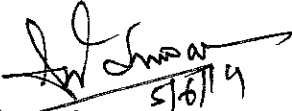

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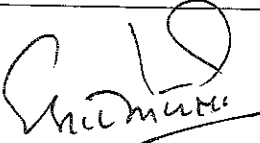
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QR for Equine Ultrasonic Nebulizer

Sr. No.	Parameters
1.	Should be portable equine ultrasonic nebulizer with rechargeable battery operation
2.	Should have veterinary nebulization unit with equine mask all in one equipment for direct placement and administration on the horse for cordless operation and use
3.	Should have basic ultrasonic nebulizer weighing less than 250grams working on rechargeable battery supply with II-B electrical protection class
4.	Should have ultrasonic frequency of 120kHz with nebulization output from 0.35 through 0.70 ml/min
5.	Should have nebulization unit weighing less than 100grams with minimum nebulization unit capacity of 10ml
6.	Should have horse inhalation mask weighing between 500-600 grams made from all weather material safe for horses
7.	Should have aerosol ambient temperature of 15°C through 35°C with aerosol relative humidity of 30% through 95%
8.	Should have ambient aerosol medication storage temperature with no need to store in all field conditions



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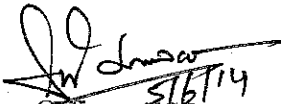

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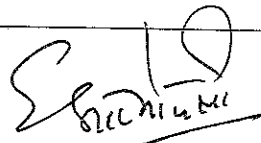

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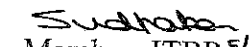
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9.	Should have ultrasonic nebulizer storage temperature from -20°C through +60°C for use in tropical and extreme temperature and relative humidity of 15% through 95%
10.	Should be supplied in safe and sturdy transportation and carry case
11.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
12.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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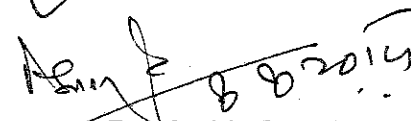

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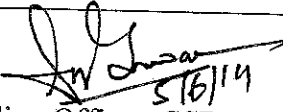

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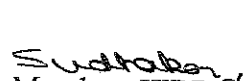
QR for Equine Low-High Speed Floor Mounted Treadmill


Sr.No.	Parameters
1.	Should be floor mounted equine high speed treadmill completely computerized system working fully via computer from start to stop with maximum running speed of 65KMPH
2.	Should be supported by front and back ramp of length minimum 1.5meter each and safety rails of minimum 3' in height fitted with special cushion on both rails covered by leather foam
3.	Should have horse running surface of 1.1 meter x 4.1 meter with anti skid rubber top, suspension to absorb hoof shock load, minimum cushioning of 3', very low friction & special arrangement to keep it to room temperature
4.	Should be fitted with 3 phase, 40HP motor using transmission through gearbox and chain sprocket.
5.	Should have 0° to 10° tilt supported by hydraulic system and operated through console
6.	Should have control system with variable port for staple speed variation, special frequency drive, 4 point emergency stop, back and front over shoot protection sensor for running horse, auto stop for final parameter running, starter, fuses, switches and earth grounding system

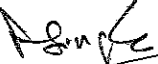

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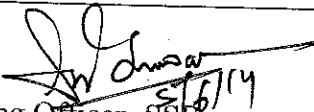

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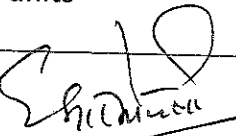

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7.	Should have computerized display for distance, time, speed, tilt, heart rate, and TPR, horse history, special program to store into Memory
8.	Should be fitted with horse heart rate monitoring unit completely connectable to PC/Laptop for data transmission into the computer
9.	Should have salient features viz. shock absorbing and straight running surface, automatic wind blower via 1 meter industrial fan, dung guide on belt, programmable logical controller for all parameters displayed on laptop with laser jet printer, 8 GB Ram & 1000GB HDD, separate program to store history of horse and exercise details
10.	Should have features for horse safety and running viz. longer width and length for safety of horse, suspension and friction less running offering actual job training to horses, superior quality belt of dual surface and all tie accessible emergency stop
11.	Should have conveyer belt made of high-density rubber, anti skid, 3 ply and minimum thickness 12mm
12.	Should be complete with full civil work including construction of concrete plinth area with 40' x 20'
13.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
14.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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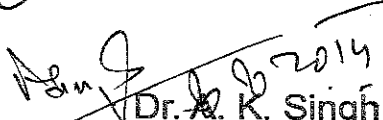

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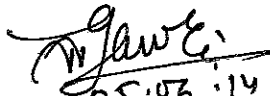
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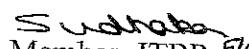
QR for Flexible Endoscope for Canine Use

Sr.No.	Parameters
1.	Should be flexible and soft fiber-optic endoscope for multiple utilities in canine diagnosis and procedures
2.	Should be capable of gastrointestinal examination, fiberoptic doudenascopy, rectoscope & easophagoscopy with fiberscope working length 150cm and insertion diameter of 7.9mm
3.	Should have 4 way tip articulation of 210° UP, 90° DOWN, 100° LEFT & 100° LEFT with field view ≥ 100°
4.	Should be coupled with a video camera connectable to portable endoscopy system
5.	Should have portable endoscopy system with SVGA TFT screen of minimum 12" for viewing endoscopic images
6.	Should have TFT screen allowing clear view horizontally (1400) or vertically (1100).
7.	Should have endoscopic image display on portable endoscopy system with swivel mounted camera control unit working by turning knob at camera head with snap system for the camera head to be attached to any and all types of rigid and flexible endoscopes
8.	Should have endoscopic camera control unit attachable to adapter of a microscope observation tube



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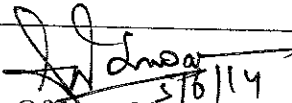

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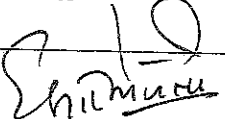

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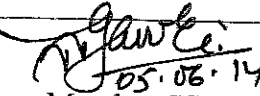

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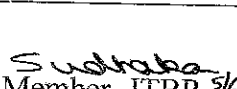
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9.	Should have S-VHS endoscopic camera system with 1/3" CCD sensor, minimum resolution of 752 lines with PAL & NTSC systems
10.	Should have multiple input and output facilities i.e. separate compact keyboard, operation by remote control, panel & foot switch, freeze frame control, provision to attach directly to a video printer, video recorder, second monitor, PC, TCP/IP network, LAN system, S-VHS video in and S-VHS video out
11.	Should have endoscopic camera with rapid focusing device at the camera head including video adapter and camera system fully soak able in disinfections liquid
12.	Should have endoscopic camera with automatic brightness, color balancing, digital zoom, menu guided user interface with on screen explanation
13.	Should have minimum 32GB memory stick at the front panel for the storage of minimum 10000 digital images with 180W XENON/ LED light source, 1 horizontal light outlet providing continuously adjustable light intensity.
14.	Should be supplied in special shockproof case for canine fiberoptic endoscope and portable endoscopy system
15.	Should be supplied as complete set containing 2.0mm biopsy channel, air and water channels, standard fenestrated biopsy forceps, channel cleaning brush, all channel irrigator with 50cc syringe, water bottle for water irrigation, silicone oil, carrying case and LED light source with pump
16.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
17.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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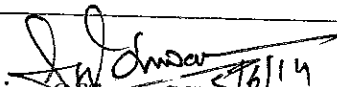

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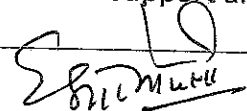
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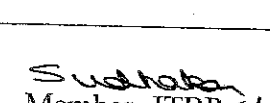
QR for Veterinary Periodontal Instrument Kit

Sr.No.	Parameters
1.	<p>Should be following contents in the standard set exclusively for veterinary Periodontal use-:</p> <ul style="list-style-type: none"> a. Mirror Handle, single-ended, cone-socket b. Cone Socket Front Surface Mirror # 3 c. Cone Socket Front Surface Mirror # 4 d. 18mm Explorer Probe, Double ended e. Jacquette J33/1YS Scalar f. Morse 0-00 Scalar g. Columbia 13/14 Universal Curette h. Barnhart 1/2 Universal Curette i. Sharpening Test Sticks, Clear j. Conical Arkansas Sharpening Stone k. Flat Arkansas Sharpening Stone l. Sterilization & Storage Cassette
2.	<p>Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.</p>
3.	<p>Should be backed by onsite after sale service support all over India including CAPF and paramilitary field units</p>


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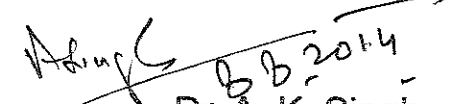

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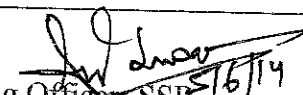

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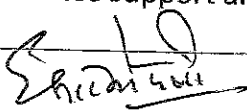
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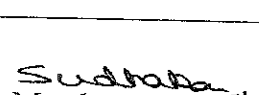
QR for Veterinary General Surgery Kit

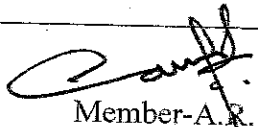
Sr. No.	Parameters
1.	<p>Should be following contents in the standard set exclusively for veterinary general surgery use:-</p> <ul style="list-style-type: none"> a. Straight Mayo Scissors 3/4" b. Scalpel Handle # 3 c. Snook Ovariectomy Hook d. Mosquito Hemostat Forceps 5" Curved e. Kelly Hemostat 5 1/2" Straight f. Metzenbaum Scissors 7" Curved g. Brown-Adson Forceps 4 3/4" 7x7 Teeth h. Rochester-Carmalt Forceps 6 1/4" Curved i. Backhaus Towel Clamps 5 1/4" j. Olsen-Hegar Needle Holder 5 1/2" k. Sterilization/Storage Cassette
2.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
3.	Should be backed by onsite after sale service support all over India including CAPF and paramilitary field units


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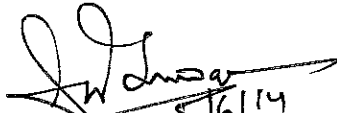

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QR for Veterinary Orthopedic Surgery Kit



Sr.No.	Parameters
1.	<p>Should be following contents in the standard set exclusively for veterinary Orthopedic Surgery use:-</p> <ul style="list-style-type: none"> a. Suture Wire, 20 Guage b. Suture Wire, 30 Guage c. Wire Cutter d. Senn Retractor, Sharp e. Senn Retractor, Blunt f. Weitlaner Retractor g. Freer Elevator h. Bone Curette i. Mallet j. Bone File k. Wire Twister l. Gigli Handles m. Gigli Saw n. Kern Bone Holding Forceps, Long o. Kern Bone Holding Forceps, Small p. Pin Cutter q. Bone Cutting Forceps r. Osteotome s. Sterilization/Storage Cassette


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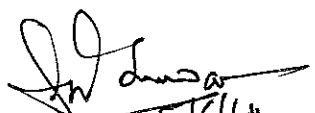

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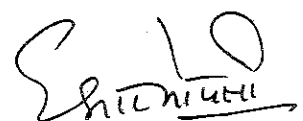

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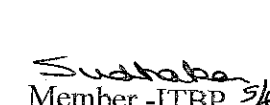

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2.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
3.	Should be backed by onsite after sale service support all over India including CAPF and paramilitary field units


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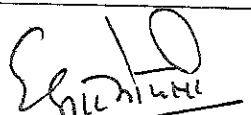

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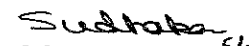
QR for Canine Emergency Carrier and Stretcher

Sr.No.	Parameters
1.	Should be a complete immobilization device working as orthopedic stretcher and full backboard
2.	Should have simple to use auto-lock latch system recessed side latch positioned away from the dog's body that locks instantly during application, manual release required during removal from patient
3.	Should have concave patient surface to provide lateral support, improve dog's sense of security and minimize movement of patient's spine during lifting and transport
4.	Should work like a Traditional Backboard so that dog can be rotated and slid out onto the stretcher during auto extrication situation with complete seat belt type strap set included on the stretcher body
5.	Should be able to separate in half for application with facility to separate at either end to eliminate unnecessary movement especially in cases of hip injuries
6.	Should offer continuous head support surface and improve neutral alignment and minimize head movement during application and removal



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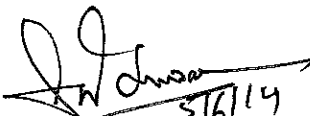

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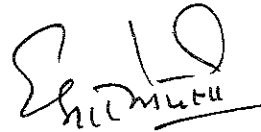

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7.	Should have seamless, very sturdy and break resistant construction with high density polyethylene with no rivets, drive screws or roll pins at any place on the stretcher and should be easily cleaned and disinfected
8.	Should have foam filling to make it ideal for water rescue situations
9.	Should be X ray compatible with clear center section to provide unobstructed A/P view of dog's spine and split-design to allow for simple, easy removal and reapplication for detailed X ray examination if necessary
10.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
11.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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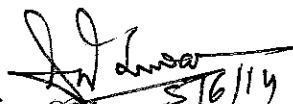
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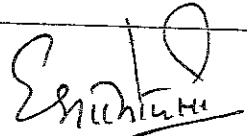

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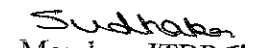
QR for Equine Hydraulic Surgery & Examination Table

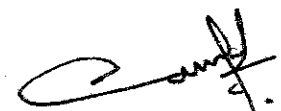
Sr. No.	Parameters
1.	Should be custom-made Stainless Steel equine surgical and examination table crafted from durable, noncorrosive stainless steel to comfortably accommodate minimum 1250KG of weight
2.	Should have 4 heavy duty swivel casters with brakes removable for cleaning by pulling pins and sliding for making the table light, maneuverable and easily positioned by one person
3.	Should have main frame of 4.10'(W) & 7'(L) equipped with three removable dorsal props on both sides
4.	Should have hydraulic system consists of 4 lifting cylinders and 7.5 Liter hydraulic tank powered by a 1.5HP motor operating on a 200V electrical current
5.	Should have hydraulic system with easy access panel completely enclosed in waterproof casing and hydraulic lines made of complete Stainless Steel
6.	Should be easily cleanable and disinfected with stainless steel body wiped by hand or can be pressure-washed for thorough cleaning

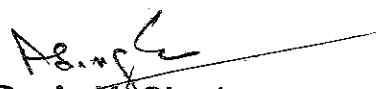

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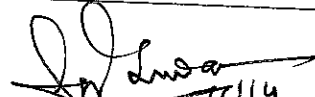

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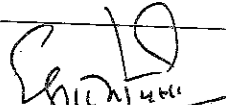

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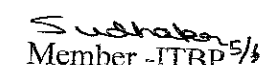
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7.	Should have several drain holes throughout the table to ensure no water pools on any surface with the table motor completely enclosed in watertight casing and corrosion-resistant receptacles and switches
8.	Should have 6° tilt capacity via manipulation of the self contained hydraulic system
9.	Should have center bed of table top of minimum 3'(W) x 7'(L) with very high grade padding of minimum 2" thickness
10.	Should have maximum height of 35" and minimum height of 20" (without the wheels) or 25" (with the wheels) and anti-corrosion coating on the entire surface of the table
11.	Should have removable parts with push-button style pins with lanyards to ensure safety of pins and removable corner hinged wings of size 1' (W) x 3' (L) hinged on rod bar slide-able against center wing and to provide full 7 supports
12.	Should have all wings with minimum 5 different tilt positions via manual prop bar with center hinged wings 1' (W) x 3' (L)
13.	Should have headrest options flat or V-Shaped removable and adjustable to varying angles and the headrest should have provision of placement on either end of the table giving the surgeon complete flexibility of operation &/OR examination
14.	Should have flat lateral extensions for support of the legs that can be placed on either side of table in lateral recumbent surgery along with leg brackets to support the limbs during orthopedic or arthroscopic surgery


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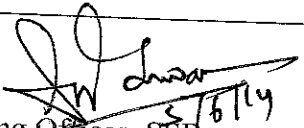

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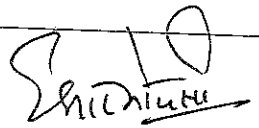

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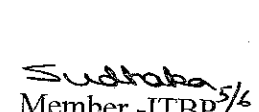

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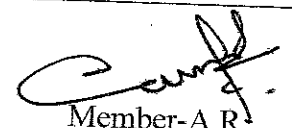
15.	<p>Should be supplied with following accessories:-</p> <ul style="list-style-type: none"> a. V shaped or flat adjustable head extension with removable sides which can be removed and fixed to the either end of the table through push button style pins with lanyards b. Adjustable Stainless steel intestinal tray c. Free standing base for stainless steel intestinal tray d. Pair of Dorsal Arthroscopic Leg Brackets e. Pair of 18" x 30" Long Lateral Flat Extensions f. I.V. Bag Pole with 4 Hooks and Adjustable Height g. 3 #'s, Removable Dorsal Padded Props h. Intestinal Retractor i. D/L extension storage cart
16.	<p>Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.</p>
17.	<p>Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units</p>


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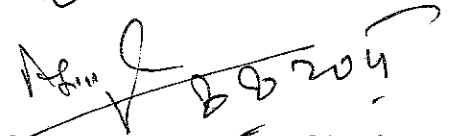

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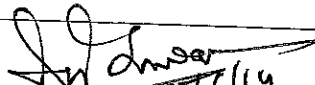

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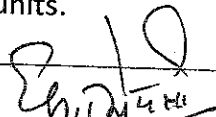
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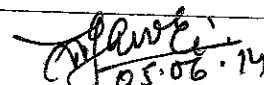

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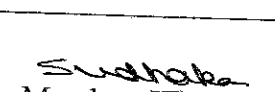
QR for Electrolyte & Blood Gas Analyzer

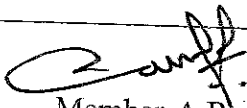
Sr.No.	Parameters
1.	Should be rechargeable battery operated hand held dedicated veterinary electrolyte & blood gas analyzer weighing not more than 500 grams for ease in carrying to various field locations
2.	Should give accurate blood gas, electrolyte and critical care biochemistry results in maximum 30 seconds with minimum 0.1ml sample volume to eliminating problems of overfilling
3.	Should have cartridges storage at room temperature and integrated calibration and quality checks built in the equipment to give complete accuracy of minimum 50 tests in one battery discharge duration
4.	Should be ready to use anytime, anywhere in field or animal clinic/hospital and the equipment
5.	Should have interface to any animal electronic data manager & blue tooth printer with no requirement of regular software updates
6.	Should have identification and storage facility of minimum 2000 patient results stored on analyzer with ability to input all patient data, temperature and even ventilator settings
7.	Should have option to run via DC with facility of error free functioning even on low input current and feature of recharging the battery during use of the equipment
9.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
10	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units.


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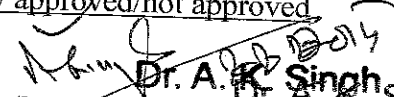

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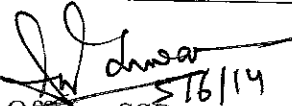

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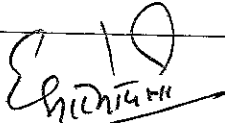
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QR for Glucose and Blood Sugar Monitor

Sr.No.	Parameters
1.	Should be hand held dedicated veterinary glucose and blood sugar monitoring system with inbuilt biosensor and automatic coding for result accuracy
2.	Should display results in maximum 10 seconds with sample size of maximum 1.5µl with hypoglycemic and hyperglycemic indicator alarms
3.	Should have feature of reminder alarms with clear display for readings, date and time and facility to store minimum 300 results
4.	Should have option of connection via PC/Laptop with standard delivery set including veterinary glucose and blood sugar monitoring system, test strips, control, user guide, carry case, canine code chip, lancet and lancet tips
5.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL All manufacturer certifications to be produced at the time of delivery /installation.
6.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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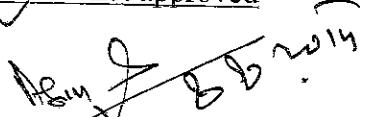

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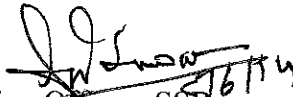

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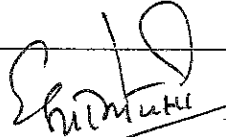
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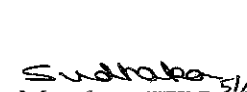
QR for Canine Incubator

Sr.No.	Parameters
1.	Should be canine incubation system with facility of micro adjustable temperature control changeable in increments of 1/10 of 1°C
2.	Should have high and low temperature alarms with pass code protection for preventing settings to be accidentally changed
3.	Should be able to accommodate working pups with minimum dimensions of 30"(W) x 15"(L) x 15"(H) with incubator with inbuilt oxygen set up with oxygen concentrator, tubings and fittings for puppy use
4.	Should have incubator fitted with a fan and digital readout controller with controls for temperature via inbuilt electronic humidity control system and adjustable water tray
5.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
6.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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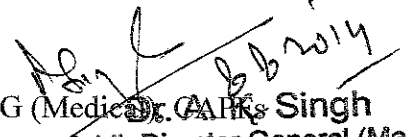

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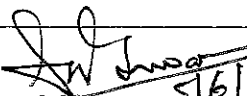

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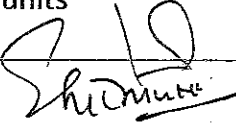
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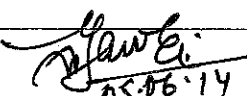

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QR for Programmable Canine Motorized Treadmill

Sr.No.	Parameters
1.	Should be canine treadmill with capacity to exercise all dogs from 5kg to 85kg body weight
2.	Should have preinstalled exercising programs and facility for user to create own program depending on individual dog's training and exercise needs
3.	Should be extremely lightweight with no special storage conditions and foldable body type and design for easy storing when not in use
4.	Should have running area of minimum 70" to 75" x 16" to 18" with multiple speed increments feature from 800 meters per hour to 12 kilometers per hour in increments of 150 meters per hour
5.	Should have inbuilt tilt feature with multiple angle adjustments viz. 1° to 5°, 2° to 6.5°, 3° to 7.5° and 4° to 9°
6.	Should be backed by manufacturer certifications complying CE Marked to Council Directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO 9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
7.	Should be installed on site with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units


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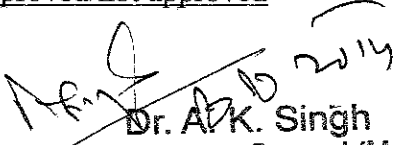

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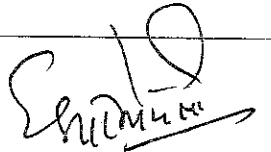
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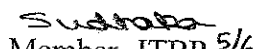
QR for Canine Hydraulic Surgery & Examination Table


Sr. No.	Parameters
1.	Should be canine hydraulic surgery and examination table
2.	Should have complete stainless steel construction with tilt-top mechanism.
3.	Should be minimum 20"(W)x 60"(L)x 36" (H)
4.	Should have weight bearing capacity of minimum 150 kg
5.	Should have furnished with tie down and duplex electric outlet.
6.	Should be electric surgery table with smooth lowering and lifting function via hydraulic system operating on a 220 V electrical current.
7.	Should be fitted with adjustable floor glides.

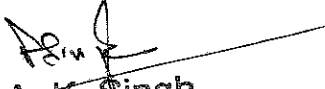

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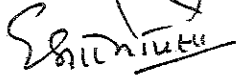
8	Should have 4 heavy duty swivel casters with brakes removable for cleaning by pulling pins and sliding.
9.	Should have hydraulic system with easy access panel completely enclosed in waterproof casing and hydraulic lines made of complete Stainless Steel
10.	Should be easily cleanable and disinfected with stainless steel body wiped by hand or can be pressure-washed for thorough cleaning.
11.	Should have several drain holes throughout the table to ensure no water pools on any surface with the table motor completely enclosed in watertight casing and corrosion-resistant receptacles and switches.
12.	Should be backed by manufacture certifications complying CE Marked to Council directive, Directive 93/42/EEC, ISO 13485, ISO 14001, ISO9001, EMAS, CE, UL. All manufacturer certifications to be produced at the time of delivery /installation.
13	Should be installed onsite with complete user technical training and backed by onsite after sale service support all over India including CAPF and paramilitary field units.

It is hereby certified by the Board that this booklet consisting of the QRs of 28 Veterinary equipments/instruments having 46 pages.


Presiding Officer


(Dr. S.K. Tiwari)
DIG (Vet)

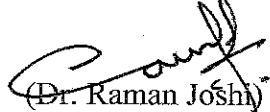
Member-I


(Dr. M.R. Popli)
Comdt. (Vet) BSF

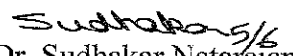
Member-II


(Dr. A.V. Gawai)
Comdt. (Vet) SSB.


Member III


(Dr. Raman Joshi)
CVO (HQ DGAR) A.R.

Member-IV


(Dr. Sudhakar Natarajan)
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Technically approved/not approved


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