ಕರ್ನಾಟಕ ಸರ್ಕಾರ
ವೈದ್ಯಕೀಯ ಶಿಕ್ಷಣ ನಿರ್ದೇಶನಾಲಯ
DIRECTORATE OF MEDICAL EDUCATION
Ananda Rao Circle, Bengaluru-560002

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No. ME/TENDER/41/2021-22. **Dt. 14.03.2022**

"ನೋಟಿಸ್"

ಕೋವಿಡ್-19 ಸಂಬಂಧ ಕಲ್ಯಾಣ ಕರ್ನಾಟಕ ಅಭಿವೃದ್ಧಿ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಮಂಡಳಿಯ ಅನುದಾನದ ಅಡಿಯಲ್ಲಿ ಕಲ್ಯಾಣ ಕರ್ನಾಟಕ ಜಿಲ್ಲೆಗಳಿಗೆ ಅಗತ್ಯವಿರುವ ವೈದ್ಯಕೀಯ ಉಪಕರಣಗಳನ್ನು ಕೆಟಿಪಿಪಿ ಕಾಯ್ದೆಯ 4(ಎ)ಅಡಿಯಲ್ಲಿ ಖರೀದಿಸಲು ತೀರ್ಮಾನಿಸಲಾಗಿದೆ.

ವೈದ್ಯಕೀಯ ಉಪಕರಣಗಳ ವಿವರಗಳನ್ನು ಈ ನೋಟಿಸ್‌ನೊಂದಿಗೆ ಲಗತ್ತಿಸಿದ್ದು, ಸದರಿ ಉಪಕರಣಗಳಿಗೆ ಕೆಳಕಂಡ ಷರತ್ತು ಮತ್ತು ನಿಬಂಧನೆಗಳನ್ನು ಪೂರೈಸಿ ಅರ್ಹರಾದಲ್ಲಿ ಆದೇಶ ಪಡೆದ ನಂತರ ಕೂಡಲೇ ಸರಬರಾಜು ಮಾಡಲು ಸಾಧ್ಯವಾಗುವಂತಹ ಸರಬರಾಜುದಾರರು ದಿನಾಂಕ:-15/03/2022 ರ ಸಂಜೆ 5.00 ಗಂಟೆ ಒಳಗಾಗಿ ಅಗತ್ಯ ದಾಖಲೆಗಳೊಂದಿಗೆ ಈ ಕೆಳಕಂಡಂತೆ ಸಲ್ಲಿಸಲು ತಿಳಿಸಿದೆ.

Supplier shall fulfill the below mentioned Terms & Conditions and also should submit the required documents/proof without fail:

Sl No	Description	Remarks
1	Hard Copy Technical Documents	1. Shall be submitted on or before 15.03.2022 5.00 PM 2. Hard Copy Technical Documents shall be submitted to Personal Section, Directorate of Medical Education, Anandrao Circle Bangalore
2	Financial Bid	1. Shall be submitted through email to dmekarnataka@yahoo.com on or before 15.03.2022 5.00 PM only
3	Technical Documents to be submitted compulsorily, failing which bid will not considered.	1.Manufacturer License in case of manufacturer 2. Manufacturer Authorization in case of authorized distributor 3. Stock Availability Declaration 4. Service Center in Karnataka 5. Technical brochure 6. Technical Compliance Sheet 7. Warranty for 3 years undertaking letter from the manufacturer for the unit price quoted 8. List of items quoted. 9. Supply details of similar equipment in last three years 10. Atleast 5 purchase order copies received in last three years from other Govt or reputed pvt hospitals for the same equipment. 11. Warranty of all equipment shall be three years and CMC for 7 years shall be quoted seperately.

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Directorate of Medical Education
Anand Rao Circle, Bangalore

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List of required Equipments to be purchased under KKRDB

SL NO	Equipment name
1	T-Piece Infant Resuscitator unit with in built O2 blender compatible to warmer
2	Intubating Flexible Laryngoscope
3	Fully Loaded Dental Chair with X ray machine
4	Steel Hydraulic OT Table
5	Pediatric upper GI Endoscope with 4K/full HD resolution monitor compatible with full HD peaditric video Gastro scope with processor & light source
6	CBNAAT Machine
7	Attender cot with Mattress
8	UV Ultra violet light for OPD & OT
9	yag laser machine
10	Medicine Racks
11	Portable USG Machine with Convex Probe &Pediatric 2D Echo Probe with color Doppler & pediatric echo software for infant & paediatrics
12	Electrical Stainless Steel Labour Table with Mattress
13	Boyles Apparatus
14	Digital X Ray Machine
15	Fully automated Blood cell Separator (Apheresis system)
16	portable Blood Tube Sealer with Battery Backup
17	Finger Pulse Oximeter
18	Nebulizers
19	Electrolyte Analyser
20	Oxygen Flow Meter with Humidifer
21	Video Laryngoscope
22	Drug trolley
23	Instrument Trolley
24	Dressing Trolley
25	Manual BP apparatus with pediatric size cuffs
26	Drip stand
27	stretcher trolley
28	over Bed Trolley
29	Crash Cart
30	HME cum Bacterial and Viral Filter Adult and Peadiatric
31	Oxygen Mask
32	o2 HOOD
33	HFNC Pediarric Circuit F and p
34	ABG Cards compatible to Siemens EPOC f Pack) 40 Pack
35	X-Ray Films compatible to DR-System (Pack J 20 Packs
36	Amplitude EEG Monitor (CFM) Monitor Roll Stand

37	Inhaled Nitric 0xide Therapy with trolley with cylinder,calibration kit, SLE Inosys adapter Kit-1 Box, Passive Scavenging Filter with Nitric Oxide Cylinders (2 in No's)
38	IR Thermal Scanner
39	02 Mask for Peadiatric
40	Venture Mask-Adult
41	Button Activated Lancet-Single Use
42	Nasal prongs/ cannula
43	Pediatric Stethoscope
44	LSCS Set
45	Hysterectomy Set
46	Air Purifier Machine
47	Pigeon Locker with Four Compartment
48	Almirah
49	KLEINSASSER Basic Adult Laryngoscope Set
50	Bains Circuit
51	3 Bin BMW Container with SS trolley
52	25 KVA online UPS
53	PICC Line Neonatal 1261 point 210 primer car with style
54	Nursing Chairs
55	Nursing Station Table
56	MDI with spacer
57	Flexible Nasopharyngolarygoscope Chip on Tip
58	indirect Ophthalmic with 20d Lens
59	HFNc (Pediatric) and neonatal mode with MR850 Humidifier
60	New born Whole body cooling unit With 2 reusable mattress, 5 extra skin and rectal temP Drops
61	Projection Vein Finder for pediatrics/neonates with stand
62	Root with Cerebral oxynetry Monitor + 03 Module + Rainbow ParameLef - Rddi.sl 7 - ORI Parameter with rainbow parameter with partno 4029 sensor 2 box, ambient shield -2 Dack
63	40 Ft.ISO Container PID & BOM {Oxygen
64	110 KV Transformer
65	Dry and Wet mop vacuum cleaner
66	Testing Machine (Dri-dymer] and Consumables and Kits for 03 Month
67	Tubectomy Set
68	Logistics Truck for Medicine Supply-12 Ton Capacity
69	Cold Chaln Van-2 Ton Capacity
70	Laminar Air Flow
71	Ureterorenoscopy-4 French
72	Ureterorenoscopy-9 French
73	Digital Flexible uretreno renoscope
74	Urodynamic Testing Machine
75	Thulium 30 Watt Fiber Laser Machine
76	Oxygen MOX Regulatorwith flow Meter, Humidifier-Twin tvpe
77	Automated Sanitizer Dispenser

78	Operating Microscope with S & F Instruments for(Oohtham)
79	Tab Based Digital Microscope
80	Laparoscopic Clip Applicator
81	Fully Loaded Heavy Duty Ride on Scrubber Drier & Floor Cleaning Machine
82	4-Bin Bio-Medical Waste Container (SS Trolley with Four Color Coded Buckets)
83	Heavy Duty Bio-Medical Waste Shifting Trolley
84	MDJ with Spacer-Pediatric
85	Resuscitation kit Audult
86	P CC Lines Neonatal 1261 point 2l0 premrcath with stylet
87	A Scan Pachymeter
88	Tono meter
89	Laparoscopic Applicator.
90	ENT 0PD Unit
91	2 Sets of ENT Micro drill with 2 Handpiece and Blackheads
92	Micro Ear Surgery Instruments
93	Fess Instruments
94	Micro laryngeal Surgery Instruments
95	Fiber optic flexible scope [ENT]
96	Auto refracto meter {with Keratometer)
97	Non Contact Tonometer [NCT)
98	Direct Ophthalmoscope Adult
99	Direct 0pthalmoscope Paediatric
100	Streak Retinoscope
101	Slit Lamp with chair unit
102	Phacoemulsification Machine
103	I Chart (LED
104	Phaco with Anterior Verectomy inbuild Minin Compressor ffor 0pthalmic)
105	0pthaomic Laser with Focus shift
106	CTC Machine
107	Generator 25I(VA
108	Resuscitation kit Ped
109	Resuscitation kit Neonatal
110	Truenat machine
111	Tread Mill Tes [TMT]
112	KLEINSASSER Basic Adult Laryngoscope Set

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Oxygen Flow Meter with Humidifier

a) Specifications
   i) Medical gas Flow meter rotameter type, scale 0-15LPMto Oxygen
   ii) Aluminumspecialalloy made high bright anodized finishing.
   iii) Rotameterscaleandcolumnmadeofcelartransparentpolycarbonatehighresist
   iv) Ance injection, Stainlesssteelregulationflowvalvemade.Cleanforoxygenuseandlatexfreeseal
   v) Tobesuppliedwithhumidifie
b) Certifications
   i) BISCertificationasapplicable
   ii) ISOCertificationasapplicable
   iii) US FDA / CE Approved
c) Warranty
   i) Standard Industry warranty norms

Oxygen Mask

d) Specifications
   i) SterileOxygenMask
   ii) SimpleAnesthesiaMask
   iii) MadeofmedicalgradePVC
   iv) Designedto fitperfectly forthe facestructure
   v) Airtightcushionpartwithsuperiorsoftnessprovidesmaximumcomforttothepa
   vi) tient. Non-toxic,non-odor,highstrength.

vii) Singleuseddesigntoeliminatecross-contaminationbetweenpatients.
viii) Contouredcushioncreatesagentlesealwith thepatient'sface.

e) Certifications
   i) BISandISOCertifiedasapplicable
   ii) CEand/orFDAApprovedasapplicable

Medicine Trolley

f) Specifications
   i) Itshouldbemadeofcompleteframe/structuremadeofstainlesssteel
   ii) ItshouldhaveSixsmoothrunningdrawers
   iii) ItshouldbeMobileon12.5cmswivelcastorswithIVRod
   iv) ItshouldhaveLamp,massageboard,sixhandoutbinds,cylindercage
   v) Itshouldbefixedwithbuffers
g) Certifications
   i) StandardminimumIndustryCertificationasapplicable
h) WarrantyandMaintenance
   i) StandardminimumIndustryWarrantyasapplicable

Stretcher trolley

i) Specifications
   i) It should have Removable padded stretcher topon CR.
   ii) ItshouldhaveERWsquaretubularsteeltrolleymobileonfour15cmdiaswivelcastorstwo withbrake
   iii) Itshouldbehead-raiseadjustedonratchetorfixedbothareaccepted
   iv) Itshouldbeprovidedwithgascylindercage,Utilitytray,I.V.Rodandsafetyrails.
   v) It should bepretreatedepoxycoatedfinish
j) Certifications
   i) StandardminimumIndustryCertificationasapplicable
k) WarrantyandMaintenance
   i) StandardminimumIndustryWarrantyasapplicable

Nasal prongs/ cannula

l) Specifications

Todelivermedicaloxygendirectlytoapatient’snoseviaanasalcannula(nasalprong)

i) Anoxygenflowrateof2-4liters/mindeliversanFiO2of0.28-0.36respectively
ii) Materials- Polyvinylchloride(PVC)
iii) Components- 2prongsfixedonaharnessorsupport,andconnectedto2tubes andanO2supply tube.
iv) Harness - Fully-adjustableover-eardesign
    (a) -Prong:straight,+/-
    (b) 1cmlong,fixedtoaflexiblehorizontalsupportfor greater
    (c) comfort onthe nasal base
    (d) -Flexible support with 2 tubes (right and left)
    (e) interlinkedthroughamouldedY
    (f) connectortotheoxygensupplyline
    (g) Oxygen supply tube or line: length 1.8-2.1m,
    (h) With standard connectiontooxygensupply.Anoxygentub
v) Size - econnected to a harness eliminates the need for
vi) UnitPresentation - extraextensionlines.
    (a) Adult,pediatricandneonatal.
    (b) 1oxygencannula,medicallyclean,single
    (c) use,packagedinatransparent plastic bag.

m) Certification
i) Theproductshould beCE and/orUS FDAApproved
ii) BISandISOCertifiedasapplicable

n) Warranty
i) StandardIndustryWarrantyisapplicable

HME cum Bacterial and Viral Filter Adult

o) Specifications
   i) Heatandmoistureexchangingfiltersandheatandmoistureexchangersforprotectiona nd humidification Quality
   ii) CombinedHMEandbacterial/viralbreathingfilter
   iii) Filtrationefficiency99.99%.Smallandlight weight.
   iv) Lowdeadspace.
   v) Angledunitelimination atesadditionalconnectors.
   vi) LatexandPVCfree.
   vii) NonDEHP.
   viii) Sterileorclean.
   ix) Singleuse
   x) Individuallypacked.

p) Certifications
   i) BISandISOCertifiedasapplicable
   ii) StandardminimumIndustryCertificationasapplicable

q) WarrantyandMaintenance
   i) StandardminimumIndustryWarrantyasapplicable

Drip stand

r) Specifications
   i) ItshouldbeTubularstandwith136/244cm
   ii) Itshouldbeadjustableheight S.S.doublehookI.V.rod
   iii) Itshouldbemountedon fivewingedheavybaseon5cm
   iv) Itshouldbeonswivelcastors,pretreated,Epoxyfinish

s) Certification
   i) CEand/orUSFDACertifiedasapplicable
   ii) ISO9001 :Latest
   iii) BISandISOCertifiedasapplicable

t) Warranty
   i) AsperIndustryStandards

Medicine Racks

u) Specifications
   i) Rackheightshouldbe -7ft.
   ii) Racklength-3ft
   iii) Rackwidth:top-1ft,
   iv) Bottom-1.5ft.(containalldrower)
   v) Drawer-10nos
   vi) Material-mspowdercoated.
   vii) Glassshelves-5nos
   viii) AdjustableFrontglassSlidingontrack.

v) Certification
   i) BISand ISOCertified

w) Warranty
   i) IndustryStandardWarranty

Almirah

x) Specifications
   i) Manufactured by prime quality of CRCA "cold rolled close annealed“Steelsheets.
   ii) Bodyandshelvesmadefrom acombinationof18gauge steelsheets.
   iii) Fourshelvesprovidedmaking 4equalcompartmentsfor storage.
   iv) Highqualitythreewaylockingmechanism.
   v) BothDoors shouldCRCA coldrolled closeannealed“ Steelsheet
   vi) Colouroptionasper requirement

y) Certification
   i) BISand ISOCertified

z) Warranty
   i) IndustryStandardWarranty

o2 HOOD

aa) Specifications

i) Oxygenhoodshouldmaintainstabletemperature.
ii) Hoodremainssecurelyinplaceoverbaby-noweightsareneeded.
iii) No seal or plastic film around the infant’s neckto maintains high O2concentrations.
iv) Itismadeofauto-cleavablePoly-carbonatematerial
v) Theinfantshouldbefullyvisibleatalltimes.
vi) NeckopeningfitscloseenoughtoretainO2concentrations
vii) Sufficient space around the infant neck to permit CO2 displacementandprovideasafetyfactor incaseofoxygendelivery systemfailure.
viii) IT should have Removable upper lid with orifice for entry of cables andtubes.
ix) Italsopermitsinstantaccesstoinfant'sheadwithminimumdisruptionofox ygen environment
x) Sizeshould befrom 8” to10”

bb) Certification

i) BISand ISOCertified

cc) Warranty

i) IndustryStandardWarranty

Crash Cart

dd) Specifications

i) Fromreputedmanufacturers
ii) Size– 960 Lx 500 Wx 1545 Hmm approx.
iii) Trolleywith25mm diameterSStubular frame
iv) Drawersmaximumnumberpossibleofadequatesize
v) Flatsurfacesshouldbestainlesssteel.
vi) Two/threerowsofhandoutbinsofdifferentsize&colortoholddifferentsizesofampo ules/vials of emergency medicine.
vii) Lightweightplasticboxwithdrawersofdifferentsizesandcolorstoholdemergencym edicines, ambubag, IVsolution, cathetersetc. separately.
viii) Facilitytocarrymonitor& suctionapparatus.
ix) Stainlesssteelsalinerod-one.
x) Castorwheelsof12.5cmdia-Twohavinglockingarrangement.
xi) Pulloutcardiacmassageboardabovedrawers.
xii) Oxygencylinderstandsononeside.
xiii) Allpartsshouldbeepoxypolyestercoatedwith50micronthicknessapprox.eboniteru bber,PVC and castor wheel etc.

xiv) Wholecrashcartshouldbewashable.
xv) AlltheStainless Steelshouldbe 304grade/16 gauge

ee) Certification
i) BISandISOCertifiedasapplicable
ii) StandardIndustryCertification

ff) Warranty
i) StandardIndustryWarrantyisapplicable

HFNC Pediarric Circuit F and p

gg) Specifications
i) DisposableCircuitsShouldbe CompatibletoF&P Airvo2machine
ii) ItshouldhavedisposablehumidifierChamber
iii) It Should have heating spiral Tubing to warm the breathing gas insidethetube
iv) It should have the molded clip attaches to clothes or bedding to allowpositioningof the tube during use
v) NoExternalcableoradaptorsrequiredforCircuits
vi) ItshouldhaveMoldedgripsat bothends.

hh) Certification
i) BISandISOCertifiedasapplicable
ii) CE/FDACertifiedasapplicable

ii) Warranty
i) IndustryStandardWarranty

Nebulizers

a) Specifications

ii) NebulizationRate : Approx. 0.3 mL/min(without cap)
iii) ParticleSize : *MMAD approx. 3 - µm(basedonEN13544- 1:2007)
iv) MedicationCup Capacity :7mL(cc) max.
v) AppropriateMedicationQuantities :2mL- 7 mL (cc)
vi) OperatingCondition : Intermittent operation 20- min.ON/40min. OFF
vii) OperatingTemperature/Humidity :+10°C to+40°C (+50°F to+104°F), 30%to 85%RH
viii) StorageTemperature/Humidity/AirPressure:–20°Cto+60°C(–4°Fto+140°F), 10%to 95%RH 700 hPa to 1060 hPa
ix) Weight :Approx. 9.5oz. (270 g)(compressor only)
x) Dimensions : Approx. 5 5/8" (w) × 2 7/8" (h) × 3 7/8" (d)(142mm × 72mm × 98 mm)
xi) Rating(ACadapter) :100- 240V~ 350mA,50/60Hz

jj) Certification

i) Theproductshould beCE and/orUS FDAApproved
ii) BISandISOCertifiedasapplicable

kk) Warranty

i) StandardIndustryWarrantyisapplicable

Venturi Mask

a) Specifications
   i) Madeofclear,non-toxicPVC.
   ii) Twocolorcodeddilutersforsevenconcentration
   iii) Greendiluterfor24%,26%,28%,30%
   iv) Whitediluterfor35%,40%,50%
   v) Adjustablenoseclip.
   vi) Withlockandadaptorforhighhumidity.
   vii) With2manti-crushtube.

b) Certifications
   i) BISandISOCertifiedasapplicable
   ii) StandardminimumIndustryCertificationasapplicable

02 Mask Adult

a) Specifications
   i) SterileOxygenMask
   ii) SimpleAnesthesiaMask
   iii) MadeofmedicalgradePVC
   iv) Designedto fitperfectly forthe facestructure
   v) Airtightcushionpartwithsuperiorsoftnessprovidesmaximumcomforttothepatient.
   vi) Non-toxic,non-odor,highstrength.
   vii) Singleuseddesigntoeliminatecross-contaminationbetweenpatients.
   viii) Contouredcushioncreatesagentlesealwith thepatient'sface.

b) Certifications
   i) BISandISOCertifiedasapplicable
   ii) CEand/orFDAApprovedasapplicable

IRThermal Scanner

a) Specifications
   i) ContactlessInfraredThermometer
   ii) OneSecondquicktemperaturemeasurement
   iii) VoicePrompt
   iv) OverTemperaturealert
   v) MemoryContrastFunction
   vi) Highprecisioninfraredsensorwithstableandreliableperformance
   vii) StrongAdaptabilitytoambienttemperature measurement.
   viii) largescreenLCDdisplay
   ix) Highbrightnessbacklight

b) Certifications
   i) ItshouldbeCE/USFDAand/orICMRApproved
   ii) BISandISOCertifiedasapplicable

c) WarrantyandMaintenance
   i) Three(3)WarrantyandFive(5)yearsCMC

Air Purifier Machine

a) Specifications
   i) Deviceshouldbeaerodynamicdesignand Nanoprotectprofilterhasaboostedcleanair delivery rate (CADR) up to 260 m3 / Hr
   ii) Itcaneffectively removeultra-fine particlesassmall as0.003 um.
   iii) ItfiltersoutharmfulgasessuchasTVOC andodor
   iv) Superiorpurifierthat canbe appliedtomax 62m2–2 rooms
   v) Specialauto-purificationmodeeffectivelyremovespollution
   vi) IndoorPM2.5levelscanincreasefarabovelocalguidelinesbecauseofoutdoorpollution or daily activities like cooking, cleaning, etc.
   vii) Thesmartairsensorcandetect PM2.5levelsandboosttheairpurifier’sspeedtodealwit h the pollution
   viii) Quieterandconstantclearairdeliveryduringsleep
   ix) Nighsendingmodeisdevelopedespeciallyforyourbedrooms
   x) Theairpurifierrapidlypreparesyourbedroomairforsleepandconstantlymonitorsyour bedroom airquality, delivering clean airwhile you sleep
   xi) The dimmed and/or switched off lights and the low sound help you and your familysleep better
   xii) Healthyairprotect alertfor filterlifetime withaccuracy

xiii) Thehealthyairprotectalertletsyouknowpromptlywhenitistimetoreplacethefilter
xiv) Ifthefilerisnotreplacedpromptly,theappliance shouldstopfunctioningtoavoidineffe c tivepurification
xv) RoomArea Coverage min672 Sq. Ft
xvi) NoiseLevel33dB
xvii) FilterreplacementAlert
xviii) VirusGermsMoldSporesRemoval
xix) TouchScreen

b) PowerSupply
i) PowerConsumption 50Watts
ii) AsperIndustryStandards

c) Certification
i) CEand/orUSFDACertifiedasapplicable
ii) ISO9001 :Latest
iii) BISandISOCertifiedasapplicable

d) Warranty
i) AsperIndustryStandardsthree(3)yearwarranty

Drug trolley/ Medicine Trolley

a) Specifications
i) Itshouldbemadeofcompleteframe/structuremadeofstainlesssteel
ii) ItshouldhaveSixsmoothrunningdrawers
iii) ItshouldbeMobileon12.5cmswivelcastorswithIVRod
iv) ItshouldhaveLamp,massageboard,sixhandoutbinds,cylindercage
v) Itshouldbefixedwithbuffers

b) Certifications
i) StandardminimumIndustryCertificationasapplicable

c) WarrantyandMaintenance
i) StandardminimumIndustryWarrantyasapplicable

i)

Button Activated Lancet-Single Use

a) Specifications

i) Mainunittobebuttonoperatedwithadjustableprickvolumeandlancetinsertion place

b) Certification
   i) Should have safety certificate from a competent authority commission /FDA(US)/ STQC CB Certificate/STQC S Certificate

c) Warranty
   i) StandardIndustryWarranty

Oxygen Hood-Small

a) Specifications
   i) Oxygenhoodshouldmaintainstabletemperature.
   ii) Hoodremainssecurelyinplaceoverbaby-noweightsareneeded.
   iii) No seal or plastic film around the infant's neckto maintains high O2concentrations.
   iv) Itismadeofauto-cleavablePoly-carbonatematerial
   v) Theinfantshouldbefullyvisibleatalltimes.
   vi) NeckopeningfitscloseenoughtoretainO2concentrations,
   vii) Sufficient space around the infant neck to permit CO2 displacementandprovideasafetyfactor incaseofoxygendelivery systemfailure.
   viii) IT should have Removable upper lid with orifice for entry of cables andtubes.
   ix) Italsopermitsinstantaccesstoinfant'sheadwithminimumdisruptionofox ygen environment
   x) Sizeshould befrom 8" to10"

b) Certification
   i) BISand ISOCertified

c) Warranty
   i) IndustryStandardWarranty

Strercher

a) Specifications
   i) ItshouldhaveRemovablepaddedstretchertoponCR.
   ii) ItshouldhaveERWsquaretubularsteeltrolleymobileonfour15cmdiaswivelcastorstw o withbrake.

iii) Itshouldbehead-raiseadjustedonratchetorfixedbothareaccepted.
iv) Itshouldbeprovidedwithgascylindercage,Utilitytray,I.V.Rodandsafetyrails.
v) It should bepretreatedepoxycoatedfinish.

b) Certifications
   i) StandardminimumIndustryCertificationasapplicable

c) WarrantyandMaintenance
   i) StandardminimumIndustryWarrantyasapplicable

Boyles Apparatus

a) Specifications
   i) Rigidaluminiumstructure(sonorusting)
   ii) Spaceformounting 2Nosof vaporizer
   iii) Optionfor4 Nos.cylinders (02+N20)+option forpipeline connection.
   iv) Advancedyoke-regulator
   v) Hypoxicguard
   vi) Oxygenflush
   vii) Yokewithpinindexfunction
   viii) 02ration controllerfor rightmin 02 &N20
   ix) Gaugeforeasymonitoringofcylinder& pipelinepressure
   x) Circleabsorbermount
   xi) Highpressureregulatorwithstainlesssteeldiaphragms
   xii) Largediametercarterwheelwithbreak(forcasytransportation)
   xiii) Closedcircuit/Sodalimeabsorber
   xiv) Bain'scircuit-3nosilicon
   xv) Magill'scircuit. -2 no
   xvi) Hose pipe with all accessories and o2, n2o small cylinder should beprovided.

b) Certification
   i) CE/FDA Certified
   ii) BISandISOasapplicable

c) Warranty
   i) Three(3)ManufacturerWarrantyandadditionalFive(5)yearsCMCfromthefort h year onwards to the eighth year.

Trunat Machine

1. Specifications

- RifampicinresistancetesttobeconductedonlyonMTBpositivesamples
- Rifampicintesttobeprovidedfreeofcostupto20%ofMTBtestordered.
- FullyautomatedCartridgebasedextractionandChipbasedPCR
- Simpleandeasyprocedureforusebyminimallytrainedtechnician.
- Sampletoresultturnaroundwithinonehour
- Abilitytostoreextractednucleicacidsforfutureuse.
- Battery/mainsoperatedwithsufficientbackupforan8hourworkingday.
- Capableofworkingunderambientconditions.
- Longshelflife(2years)ofreagentsandconsumablesupto30Cs torage.Abilitytowithstandshorttermexposuretohighertem peraturesupto40C.
- Readytousereagents.Allconsumablesandaccessoriesforrun ningthetesttobe provided.
- CapableoftestingmultiplediseasessuchasTB,Rifampicinresi stantTB,H1N 1,Dengue,Chikungunya,Malaria,HPV,Typhoid,STIsetc.
- Sampledecontaminationatfirstpointofcollection
- Lightweightandportablefornearpatientandfieldduse.
- Onboarddisplayofresults.Onboardmemoryforstoringresults.
- WirelessDatatransfercapabilityevenfromremoteareaswithGSMnetwork.
- ProvenabilitytobedeployableatPHCs/CHCs.

2. PowerSupply

- StandardIndustryPowerSupply

3. Certification

- CE/FDACertified
- BISandISOasapplicable

4. Warranty

- Three(3)ManufacturerWarrantyandadditionalFive(5)yearsCM Cfromthefort hyearonwardstotheeighth year.