

महाराव शेखाजी आयुर्वेद केन्द्रीय अनुसन्धान संस्थान

इन्दिरा कालोनी, बनी पार्क, झोटवाडा रोड, जयपुर - 302016

M.S. AYURVEDA CENTRAL RESEARCH INSTITUTE

Indira Colony, Bani Park, Jhotwara Road, Jaipur - 302016

NOTICE INVITING TENDER/TENDERS

Director, M.S. Ayurveda Central Research Institute, Jaipur invites tender/tenders in sealed cover/covers for procurement of following items related with up-gradation of this Institute up to dated 21.10.2014 at 15 hrs.(3.00 PM). The Tender document/documents can be obtained for each category by making cash payment in this Institute/ through Demand Draft drawn in favour of Director Ayurveda Central Research Institute, payable at Jaipur. The tender/tenders will be opened on dated 22.10.2014 at 15.30 hrs (3.30 PM) in the presence of representative of the relevant firm and purchase committee of this Institute. Tender/ document and details specification of the equipment/items can also be downloaded from the website www.ccras.nic.in of the CCRAS, New Delhi by making payment of cost of the tender form Rs. 100/- (each) along with EMD (Separately) through D.D. drawn in favour of Director Ayurveda Central Research Institute, payable at Jaipur positively. Failing which tender will not be accepted.

Tender No	Name of Item	Approx Cost	EMD	Tender documents Cash/Downloaded
1.	Panchkarma Equipments	8,00,000/-	24,000/-	100/-
2.	Hematology Equipments	6,00,000/-	18,000/-	100/-
3.	Biochemistry Equipments	10,00,000/-	30,000/-	100/-
4.	Clinical Pathology Equipments	1,00,000/-	3,000/-	100/-
5.	Laboratory Equipments	96,000/-	2,900/-	100/-
6.	Miscellaneous Equipments (Computer with printer)	50,000/-	1,500/-	100/-
7.	Radiology Equipments (Digital X-Ray Machine)	8,00,000/-	24,000/-	100/-

Director, M.S. Ayurveda Central Research Institute, Jaipur reserves right to reject any/all tenders without assigning any reason.


30.9.14
DIRECTOR

Tender Cost:

By Cash/Downloaded Rs. 100 /- each

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TENDER FORM

Name of Firm

Address

.....

Contact Number

TENDER DOCUMENT

1. Subject: Name of the item for which tender is given
Tender No. ACRI/JPR/
2. Full Name of the Tenderer
3. Consignee Officer/ Institute Name Director, M.S. Ayurveda Central Research Institute, Jaipur.
4. Amount of Tender document Rs. have been deposited in Cash(TR NO Dated)/D.D. No. dated
5. Income tax/Sales tax certificate enclosed- Yes/No
6. D.D. No. dated for Rs. towards EMD drawn in favour of Director Ayurveda Central Research Institute, payable at Jaipur has been deposited.
7. I/We abide by the Terms/Conditions as enclosed with Tender/Document and will not violate in any case.

Place

Name of the Firm with Seal

Date

Signature of the Tender

महाराव शेखराजी आयुर्वेद केन्द्रीय अनुसन्धान संस्थान

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Indira Colony, Bani Park, Jhotwara Road, Jaipur – 302016

TENDER NO.

TENDER CONDITIONS

1. Sealed quotations are invited. The approximate cost or the item/items will be Rs. The EMD @ of the approximate cost of item Rs. is required to be deposited through D.D. drawn in favour of Director Ayurveda Central Research Institute, payable at Jaipur. Cheque/F.D.R. for this Amount is not acceptable. Without depositing proper EMD amount the tender will not be considered at all.

The Tender can be deposited in this Institute on or before dated 21.10.2014 up to 15 hrs (3.00 PM). Received Tenders will be opened on dated 22.10.2014 at 15.30 hrs (3.30 PM) in presence of representative /suppliers.

2. The Tender document can be obtained from the Accounts Sections, ACRI, Jaipur on any working day between 10.00 AM to 3.00 PM by making payment Rs. 100 /- each in cash. The downloaded tender form cost Rs100 /- each in the shape of D.D. drawn in favour of Director Ayurveda Central Research Institute, payable at Jaipur along with EMD amount, D.D. will have to be deposited separately. Failing which tender form will not be accepted.
3. Only real manufacturer or Authorized dealers possessing facilities of service and to change the spare parts etc. need to apply for which a certificate of the real manufacturer or authorized dealership is to be enclosed. Failing which tender will be cancelled.
4. Rate should be quoted by downloading the Form from the website or obtaining it from the institute as per specification and specification of the machine/item.
5. Tender document should be completed by ball pen and signed on each page by the Tenderer of the machine / item . Overwriting/Cutting etc. should be well attested by Tenderer.
6. The Institute reserve the right to forfeit the EMD in case of making any change by the tenderer in rates or/and in the conditions. In the event of any deviation in any of the conditions the loss occurred to this Institute will be made good by forfeiting security deposit and EMD so deposited by the Tenderer. In case the loss sustained is not made good by forfeiting security deposit/EMD the same can also be made good from any of the movable or immovable property of the Tenderer.

7. The rate should be quoted very clearly on the basis of measurement, number mark and make etc. including payment of all kinds of duties/taxes etc. The delivery has to be made to the Institute FOR. In case the tax/duty is required to be paid separately it should be indicated very clearly to arrive at the actual cost.
8. The Tenderer has to enclose with Tender, copy of PAN card/Income tax and Sales tax clearance certificate duly self attested. In the absence of same, the tender is liable to be rejected.
9. The goods/material has to be supplied within the stipulated period and time as indicated in the Purchase order. The institute will not be compelled to take delivery of the goods/material after expiry of the time limit and security deposit will be forfeited.
10. Delayed supply can be accepted by imposing 10% penalty of the cost of the equipment / item. The supplier cannot compel the Director, ACRI, Jaipur to reduce or ignore it as it will depend on the condition and decision taken by the Director.
11. Institute is not abid to purchase the goods even if the rates are minimum.
12. The Tenderer will be responsible for all kinds of breakage/pilferage etc. occurred to the machines / material during the course of supply of goods.
13. Director, ACRI, Jaipur reserves the right to accept or reject the tender Partially or in Totally without assigning any reason, there of.
14. The rates are to be quoted as FINAL. No discount is to be shown separately.
15. Based on requirement the limits of purchase can be increased/decreased No argument in this connection from the Tenderer will be entertained. The payment will be made to successful Tenderer after deduction of 5% security amount from the bill and the same will be refunded after guarantee period.
16. EMD will be refunded to successful Tenderer after satisfactorily supply/installation and deducting 5% Security deposit from the bill.
17. The tender can be rejected for non performing satisfactorily /non supply of material.
18. Necessary TDS as per rules will be deducted from the bill presented by Tenderer for which photocopy of PAN card should be enclosed with tender document.
19. The quoted rates shall remain valid for a period not less than 120 days after the deadline fixed for submission of quotation.
20. Payment will be made after delivery of the goods/equipments and satisfactory installation of the equipment i.e. 30 days with in their acceptance through E-payment.

21. Notwithstanding the above, Director, ACRI, Jaipur reserves the right to accept or reject any quotation and to cancel the bidding process and reject all the quotations at any time and stage prior to awarding purchase order.

22. In order to make in E-payment the following information is required to be given in the quotation letter

1. Name of the organization/supplier with full address
2. Name of Bank, Branch code with full address
3. Account number and type of Account.
4. IFSC Code (Indian Financial System Code)

All kinds of disputes arising from either side during the course of supply/ transaction will be resolved in Jaipur judicial territory.

B. S. Singh
20.9.14
DIRECTOR

Specifications of Panchakarma Equipments

S. No.	Name of the item	Specifications	No. of item
1.	STEAM BATH CABINET WOODEN (Lying type)	Wooden, Hexagonal shape consists of a Teakwood, fixed bed on wooden stand made of medicinal wood. The chamber made of wooden frame and with translucent, wrinkled FRP Window Panes made of heat resistant NPG fiberglass. Size: 82.5"x33"x35"	1
2.	STEAM BATH CABINET WOODEN (Sitting type)	Heavy duty, Curved doors. Wooden Chamber with height adjustable bench. Provided with Copper Tube Steam Release System and Brass fittings. FRP inner lining and moulded non-slip flooring inside the Wooden Chamber protect the wood from steam and maintain a hygienic surface without any crevices that may lodge bacterias. Made from medicinal woods. Size: 35.5"x30"x53"	1
3.	STEAM GENERATOR - FULLY AUTOMATIC (Electric)	Fully automatic Electric Boiler (FAB) of 3KW rating. Stainless Steel with an integral Alarm Warning System which switches off the Boiler if the water level inside goes down to prevent Heater damage. Can be connected to water line to allow automatic intake of water when required. A Perfume box is provided to insert herbs inside the boiler, to produce herbal steam bath. Fully insulated to avoid heat loss and save electric energy. It is required with Digital Temp. Controller.	2
4.	SHIRODHARA YANTRA (Fully Automatic) With moving Shirodhara Vessel (Copper) and Wooden Table	Filters used oil, warms it to constant temperature and pumps it to the oscillating vessel positioned over the patient's head silently. The swinging width can be adjusted. (Electrical supply through a properly earthed 3 Pin – 15 Amp. 220V AC connection) with Wooden Table Size: 114"x36"x32"	2
5.	HI-LOW TILT STEEL TABLE WITH DHARAPATHY (Shirodhara Type)	Consisted of a simple mechanism to raise and lower the table to near ground level to allow oiled patients who are of obese/ large body to get down from the Dhroni or climb up effortlessly and safely without the help of an assistant. This table also enable tilting of the head-end or leg-end for Shirodhara/ Anjana and Pizhichil/Sarvanga Dhara procedures Dharapathy: Fiberglass, Heavy duty, Extra wide, Rosewood exterior design, Good quality. Size: 9.5' x 36" x 5"	2
6.	SOFT BED FOR DHARAPATHY	One inch thickness, made of foam, standard size.	2
7.	ABYANGA TABLE (MASSAGE TABLE)	Rosewood Constructed, Massage table having slanted & curved, wooden top for full body oil massage. Size: 90"x31"x32"	2
8.	VASTI YANTRA	Hand casted in the traditional way & shape by keralite artisans using authentic white bronze metal and have smooth, round tipped netra size 4.5 cm. dia X 19.2 cm.	2

9.	VASTI YANTRA (Disposable Set)	Disposable tips (nethrams) and vasti bags (Different Sizes), barrel end threaded.	50
10.	VAMANPEETH (STAINLESS STEEL)	This is designed for executing Vamana procedure comfortably. The chair is designed to be stable in the inclined sitting position. Made of Stainless steel. Size: 36"x36"x32"	2
11.	NASYAPEETH (STAINLESS STEEL WITH RAISABLE LEG SUPPORT)	Fully reclining chair with adjustable head rest, for Nasya and Anjana treatments as well. It can also be used as a lounge chair. The back rest and seat made of teakwood, frame stainless steel. chrome plated fitting for adjustment. Size: 40"x25"x36"	2
12.	VIRECHAN CHAIR (STAINLESS STEEL)	This equipment facilitates comfortable Virechan (Purgation) procedure. Collection bowl stainless steel, SS (Stainless steel) steel frame. Castor wheels to enable mobility. Back adjustable. Size: 30"x23"x36"(height)	2
13.	RECTUM STEAM CHAIR	Provided with a padded back rest. Armrest and wooden seat electric heater boiling the water. A control box provided below the arm rest with a heat control system and timer for controlling the steaming period. Size 57cm X 64cm X 90cm.	2
14.	NADI SWEDANA YANTRA	Size 21cm X 24cm X 30cm. Portable, insulated, electric steam generator, being used for localized non pressurized steaming of joints. Special steam hose with handle and water trap, SS perfume box, safety valve, water level check valve, imported thermostat ISI rated heating coil, made of SS steel to assure long life and well balanced trolley	2
15.	SARVANGA DHARA/ PIZHICHIL YANTRA (Machine With Wooden Table)	Portable, compact unit and needed minimum space for operation. The bottom housing movable below the Dhroni. Having recirculation system, filtering, oil heating and Dhara dispensers and adjustable switches for fixing travel length of Dhara vessel. Designed as per guidelines from classical texts - Advanced model with digital control. Table Size: 96"x 30"x 32"	1
16.	SHIROVASTI CAP	Adjustable, cap made out of Calf leather, vinyl lining on the inner surface protecting the leather from getting the dirty and allow easy cleaning . Size 80cm X 20cm	2
17.	PANCHAKARAMA ACCESSORIES	Made of white Bronze metal, hand casted in traditional shapes and designs. The accessories are Oil bowls, Mortar & Pestle, Lotta, Nasya yantra (Bronze),, Incense burner, lamp, Chattukam, Small Varpu, Unpolished Uruli, Polished Varpu, Uttarbasti netra, Copper Jug and Brass Spoon, Measuring Jug, Measuring Glass, Measuring Bucket etc.	2
18.	MATRA VASTI	(1) Stainless steel body with brass head, disposable plastic vasti tip screwed to the head with ideal whole size for Ayurvedic use. Adult and Pediatric tips 2 sizes. (2) Disposable vasti yantram made of surgical plastic will be required. Size 100ml and 250ml	4 4

19.	VASTI TIPS	Disposable for the above Vasti	50
20.	SPINE BATH WITH GROOVE	Essential equipment in treatment of infertility and ailments of the back. This FRP spine bath is sturdy. Made of Rose wood, without spine groove. Size: 40"x25"x8"	2
21.	HIP BATH	This sitting type tub offers a comfortable seating and is useful in treatment of ailments of the Pelvic region, Sciatica, Lumbago etc. made of light weight FRP material, easily portable. Size: 36"x29.5"(top diameter)x18"	1
22.	MASSAGE STOOL	Wooden	2
23.	KINETISER HEATER WITH FLAT URULI (Vessel)	Patented Shockproof Heater which heats oil by energy transfer with minimum electrical energy. Having flat bottom vessel, Hand casted made of white bronze metal .	2
24.	SHALAKA	Made from Panch lauha with wooden handle.	2
25.	VASTI	Kati Vasti, Janu Vasti, Greeva Vasti, Uro Vasti with Akshi Tarpana Yantra. Edges of the stainless steel yantra should having soft rubber beading, moulding clay, recyclable. Std set export quality containing kati, janu and uro vasti . A nylon goggle with head string required with the kit as Akshi tarpan yantra for eye treatment.	2

Specification of Hematology Equipments

Annexure - II

S.No.	Name of Equipment	Specification	Quantity
1.	Hematology Analyzer (Fully Automated) 3 Part	<p>Specifications for Automated 3- Part Differential Hematology Analyzer</p> <ul style="list-style-type: none"> • The instrument should be fully automated 3-part differential hematology analyzer offering automatic start-up, shutdown and sample-analysis. • The instrument should be equipped with a hand held barcode reader. • The system throughput should be 60 samples per hour in all analysis modes. • The instrument should report minimum 20 Parameters in both Whole Blood and Prediluted Mode including, WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, LYM%, MXD%, NEUT%, LYM#, MXD#, NEUT#, RDW-SD, RDW-CV, PDW, MPV, PCT, P-LCR • The system reproducibility should meet bellow requirements in Whole blood analysis mode. • Parameter CV (variation coefficient) • WBC 3.5% or less • RBC 2.0% or less • HGB 1.5% or less • HCT 2.0% or less • PLT 6.0% or less • The instrument should have Cyanide free SLS-Hb /colorimetric method for the hemoglobin measurement. • The instrument should be equipped with SRV (Sample Rotor valve) mechanism for precise aliquoting of samples and dilutions. • The sample volume for the complete differential blood count should not exceed 50µl in whole blood mode and 20µl in Prediluted mode. • The system should have large color touch screen with intuitive graphic icons. • The system should have both internal printer as well inbuilt port to print report on an external Dot Matrix/ Color printer. • The instrument should have COMPREHENSIVE INFORMATION PROCESSING SYSTEM with: <ol style="list-style-type: none"> a) Data storage of 35,000 sample results including histograms b) Quality control 60 plots , for 6 files c) Online QC function with LAN port connectivity d) Facility to input Control information (lot number, expiry date, assay values) using a barcode reader. • The system should offer following inbuilt Interface options: <ol style="list-style-type: none"> a) LAN (Ethernet for host computer/ Remote Service Access) b) Bar code reader (handheld) c) Serial port (for host computer/RS-232C) d) Graphic printer (option) • Preferably to ensure economy as well as an effective reagent inventory management, the number of reagent types required to be connected to operate the system should not exceed 2 (excluding calibrators, controls and ancillary reagents that are not required for each sample analysis). • To ensure reliability of reported results, Controls and calibrators required for the system should be manufactured by same Manufacturer of the instrument and should be available locally in the state (product brochure/ data sheet of controls and calibrators along with details of 	One

		<p>local distributor in the State should be provided).</p> <ul style="list-style-type: none"> • Manufacturer of the instrument should have a local office/ representative employee in India (details of Manufacturer office in India / representative employee in India in India should be provided). • The company supplying the instrument should have installed at least 1000 automated 3- part differential analyzers of same model/ make in India and at least 250 of same model/ make preferably in our state (list of 1000 installations across India along 250 installations within the state should be provided). • The company supplying the instrument should have a good track record in government / defense institutions and excellent service and distributor network across the our State (list of government / defense installations along with details of Local offices in State, local distributors and local engineering support staff in State should be provided). • Should have three years warranty . • Latest windows based software compatible LIS • company will provide reagents free to run 1500 test . • System should be US FDA Approved for CBC. • Should be provided Computer with printer. • Appropriate compatible online UPS & printer should be provided with Analyzer 	
2.	ESR Analyzer	<ul style="list-style-type: none"> • Infrared optical detection technology. • Automatically scanning blood cells and location of the plasma interface from time to time with accurate positioning. • Internal thermal printer, ESR curve display and printout • Automatically amending the ESR results under the detecting temperature (15 °C ~32 °C) to the ESR values at 18 C closely related with westergren results. • Should have three years warranty . • Measuring - Infrared barrier • Measuring time - 30 Minute • Measuring Precision - <0.2mm • Reproducibility - <0.5% • Temperature Precision - <0.3°C • Sample Volume - <1.6ml whole blood anticoagulant • Reading Channel - 10 • Display - LCD Screen • Operation condition - 15°C - 32°C Temp. Humidity 45 to 85% 	One

Specification of Biochemistry Equipments

Annexure - III

S.No.	Name of Equipment	Specification	Quantity
1.	Fully Automated Biochemistry Analyzer	<ul style="list-style-type: none"> • It should be automated, discrete, bench of random access clinical chemistry analyzer capable of performing biochemistry and immunoturbidimetry assays. • The throughput should be at least 200 test/hr photometric test and 360/hr with ISE (Optional) • It should have more than 45 on line chemistries. • It should have minimum 95 photometric test and minimum 40 calculations items. • It should be accept linear, Non-linear, Multi point calibration. • Sample disk should accept minimum 37 samples at a time including 5 stat position more than 8 position should be available for blanks, control, standards and ISE solution in addition to sample position. • It should accept 5ml, 7ml, 10ml and sample cups for keeping samples. • The Sample pipetting should be between 2-60 μl with increment of 0.2 μl . • The reagent tray should be cooled and should accept more than 45 reagent bottles. It should accept both 20ml and 50ml bottles. • System should be capable of performing 2 Reagent chemistries. • It should have barcode reader for both reagents and samples (optional). • Reagent pipetting should be between 50-300 μl in steps of 1 μl. • The reaction cuvettes should be more than 40 and made above disposable glass cuvettes • The minimum reaction volume should be 180 μl -500 μl • It should have on board washing of the probe. • Photometer should consist of 8 filters. 340, 405, 450,505,546,578, 630 and 670nm. It should be capable for doing monochromatic and bichromatic measurements. • Light source should be halogen Tungsten lamp. • Absorbance should be 0.0-4.0 Abs. • It should have extensive Q.C. program should show daily and monthly levy Jennings chart and should also have westgard rules. • It should have facility of auto re run, auto dilution of sample facility, skipping of dirty cuvettes. • Instrument should be run through computer. • It should be supported by companies on roll service engineers based in jaiper cities in Rajasthan. • Should have three year warranty .. • Should be provided demonized water plant. • Should be provided computer with printer (window 2008, SP2/SP3, RAM 4GB, HD 500GB & above Laser printer, LED Monitor) • Should be provided capable online UPS. • Should be provided AC 2ton. • System should be US FDA Approved • company will provide reagents free to run 1-1kit pack all parameter . 	One

2.	Specific Protein Analyzer	<ul style="list-style-type: none"> • Higher Sensitive and Great Linearity • Fast Result • Double Channel Measurement Method Turbidometric and Nephilometric Channel • Light Source : Laser • Parameter (CRP/ASO/ RF/ Ferritin/ HbA1c/IgA/IgE/IgG/ Microalbumin/ Alpha 1 Acid Glycoprotein/ Ceruloplasmin) • Battery Backup minimum 1 hour • Patient ID entry Facility History using the key pad or though external Barcode Reader. • 500 result memory • LIS Compatibility • Graphical Display • Calibration: Smart Card • Quality Control Function with LJ Chart • Printer- Built in Thermal • Should have three years warranty . 	One

Specification of Clinical Pathology Equipments

Annexure - IV

S.No.	Name of Equipment	Specification	Quantity
1.	Urine analyzer	<ul style="list-style-type: none"> • Adopting the advanced high luminosity cold light source with 4 wavelength, which improves the sensitivity, accuracy, specificity, and reduces the interference from ambient light. • Adopting automatic waste handling equipment, which avoids cross contamination between samples. • Automatically rectify the test results influenced by ambient temperature, non specificity, pH, specific gravity, and color. • Connectable with external barcode reader • User can set an abnormal value flag by themselves • Should have International, Regular and symbol system units available for option. • Test items: urobilinogen, bilirubin, ketone, blood, protein, nitrite, Leukocytes, glucose, specific gravity, pH and VC • Test wavelength : 525nm, 572nm, 610nm, 660nm • Test principle : Reflectance photometer • Suitable strips : 8, 10, optional 11 Parameter Strip. • Test throughput : 120 strips/ h or 60 strips /hrs optional • Data memory : 1000 patient results • Computer interface: RS-232 port parallel printer port. • Display : 240 x 64 dot matrix LCD • Language : English. • Power supply : 100 240 VAC, 50 Hz / 60 Hz • Power : 40VA • Dimensions : 376mm x 316mm x 170mm • Printer : Built in Thermal printer. • Should have three years warranty . 	One

Specification of Laboratory Equipments

Annexure - V

S.No.	Name of Equipment	Specification	Quantity
1.	Incubator	<ul style="list-style-type: none"> • Double walled, outer body of M.S. powder coated, Inner S.S. 304 lagged with glass wool. • Temp. range ambient +5°C to 60°C. - Accuracy ± 0.5 °C. - Resolution 0.1°C • Bottom heater duly covered by S.S. perforated sheet. • PID digital Temp. controller, Temp Indicator/Controller with PT 100 Sensor. • G.I mesh trays provided. • Inner Acrylic Transparent door provided. • Apparatus Runs on 230 Volt A.C. supply $\pm 10\%$ 50 Hz • Working Chamber Size 18" x 18" x 18" • Should have three years warranty . 	One
2.	Needle Destroyer	<ul style="list-style-type: none"> • Syringe and Needle Destroyer • Two slot easy Operation for destroying needle and syringe • Needle melts electrically and syringe cuts by automatic electrical blades. • Incinerates the needle instantaneously. • Cuts the syringe within seconds. • Low power consumption. • Can destroyer disposable syringe and needle 18 G to 28 G • Collection receptacle to collect the waste . • Power coating housing • Provision of On/Off switch with pilot lamp • Shock proof –main circuit breaker is provided. • Portable, compact, handy. • Should have three years warranty . 	One
3.	Blood collection chair	<ul style="list-style-type: none"> • Blood sampling chair with fixed height, Height= 460 mm • Comfortable upholstery with good density, width 420 • Steel quality, epoxy paint • Adjusting back rest via 1 gas jack • Equipped with 1 blood test splint, every position adjustable by serrated blocks system • Load capacity: Dynamic 130kg • Should have three years warranty . 	One

4.	Centrifuge machine	<ul style="list-style-type: none"> • Table top, Multi purpose Laboratory Centrifuge • 16 x 15 ml Swing Out Rotor Head with Metal carriers & tapered bottom Glass Tubes. • Speed: Maximum 5,500 rpm (adjustable) Max. RCF 3950 X g. • Speed control method: Automatic/Manual microprocessor controlled. • Timer: 0 – 90 min with count down feature. • Speed control: Fedher touch up / down arrow key type. • Operation Keys: Fedher Touch Type. Memory Program: 20Nos. • Display system: LCD display (16digit X 2 line) + • Speed Safety control: Interlock Lid system during operation; Imbalance safety during rotation. • Buzzer: ON after cycle operation. • Brake: ON / OFF. • Power supply: 240v, 50 Hz, singe phase • Should have three years warranty . 	One
5.	Refrigerator	<ul style="list-style-type: none"> • Refrigerator for duel use cooler cum freezer. • Dual compartment machine configured as freezer in one and cooler in other. • Two separate lids ensure independent access to freezer or cooler chamber. • Easy to clean and maintain hygiene. • Versatile wheels for easy movement and placement of unit. • Cooling capacity 137 L and freezing capacity 175 L • Temp range cooler 0-10° C and temp range freezing < -18° C • Dimension 1336 x 600 x 865 • Should have thermostat and digital display. • Should have three years warranty . 	One

Specification of Miscellaneous Equipments

Annexure - VI

S.No.	Name of Equipment	Specification	Quantity
1.	Computer with printer	<ul style="list-style-type: none">• HP Desktop• Core i3 processer• 2 GB Ram• 500 GB Hardisk• 18.5 LED Monitor• DVD R/W• Keyboard and mouse• Windows 8 profesnal• 3Year warranty• HP Printer• HP LaserJet m-1005 print, scan, copy.	One

Specification of Radiology Equipments

Annexure - VII

S.No.	Name of Equipment	Specification	Quantity
1.	Digital X-Ray Machine	<p><u>500 mA Diagnostic X Ray Unit with Motorized Table</u></p> <p>1. X Ray Generator</p> <ul style="list-style-type: none"> - Two pulse X-ray generator - Power output: 40 KW X Ray Generator 500mA , 125 KV - Electronic Timer - To increase the X-ray tube life, X-ray generator should be provided with a device capable of stopping rotating anode immediately after the termination of the exposure. <p>2. X Ray Tube:</p> <ul style="list-style-type: none"> - Two Nos. BEL DRA 1 - 125/20/40 X Ray Tube should be offered with the unit with 2 pairs of HT Cables : <p>3. Column Stand</p> <ul style="list-style-type: none"> - Light weight Floor to Ceiling type with Spring Counter Balancing System with rope failure protection device. It should be 360 degree rotatable. <p>4. Examination Table</p> <p>Vertical to head down position with automatic stop at Vertical, Horizontal and Head down position. Table should be provided with obstacle protection during horizontal to vertical position. Spot Film Device should be provided with magnetic breaks and automatic arrest facility during spot filming. Bucky with adjustable cassette tray with a grid ratio of 10:1 and 100 lines per inch Motorized Under Couch Collimator and Manual Over Couch collimator.</p> <p>The Spot Film Device should include the following:</p> <ul style="list-style-type: none"> • 4 in 1 on 8”X10” Film • 2 in 1 on 10”X12” Film • 1in 1 on 14”X14” Film <p>along with a suitable grid</p> <p>Foot Rest, Abdomen Binder, Compression Device foot Switch hand Grip, Skull Cone, Shoulder Rest, Strap Radiation flaps</p> <ul style="list-style-type: none"> - Vertical Bucky stand for standing abdomen (quote optionally). - Quoted unit should be approved by BARC/AERB. <p>Accessories:</p> <ul style="list-style-type: none"> - Cassettes : Push lock type cassette with Green/Blue Base Rare earth screens of size : - 8”x10” – 2 nos. - 10”x12” – 2 nos. - 14”x14” – 2 nos. 	One

		<ul style="list-style-type: none">- 14"x17" – 2 nos.- Lead Aprons – 2 nos.- Radiation Shield – 1 no- Lead Aprons – 4 nos. <p>- Company should have well established after sales service network with 24 x 7 call login facility. Companies should also have a local service representative or service facility within 150 Km from installation site to provide fastest response time in case of breakdown of the equipment.</p> <ul style="list-style-type: none">- Should have three years warranty .	
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