मालिकार्जुन गाउँपालिका
Malikarjun Rural Municipality
गाउँ कार्यपालिकाको कार्यालय
Office of Rural Municipal Executive
शंकरपुर, दार्चुला
सुदूरपश्चिम, नेपाल

प.सं. २०८२/८३
च.नं.

औजार,उपकरण खरिद गर्नको लागि लागत अनुमान तयार गर्ने प्रयोजनका लागि दररेट पेस गर्ने सम्बन्धी सूचना।

(प्रथम पटक प्रकाशित मिति २०८३।०२।२२)

उपरोक्त सम्बन्धमा यस कार्यालयका लागि आ.व २०८२/०८३ मा आवश्यक पर्ने संलग्न BOQ तथा Specification बमोजिमको आवश्यक पर्ने सामग्री खरिद गर्न लागत अनुमान तयार गर्ने प्रयोजनका लागि दर रेट आवश्यक भएकोले देहायमा उल्लेखित स्पेशिफिकेसन अनुसारको प्रति इकाइ/थानको हुन आउने दररेट लगायत अन्य सान्दर्भिक विषय समेत खुलाई तपसिलका कागजातहरु खामबन्दी गरी पत्रका मितिले ३(तिन) दिन भित्र यस कार्यालयमा दररेट पेस गर्न हुन सम्बन्धित सरोकारवालाहरुको जानकारीका लागि यो सूचना प्रकाशित गरिएको छ । साथै दररेट लगायतका आवश्यक कागजात कार्यालयको इमेल mrmdarchula@gmail.com मार्फत समेत उपलब्ध गराउन सकिने छ ।

२।२२
लोकेन्द्र सिंह धामी
नि॰ प्रमुख प्रशासकीय अधिकृत

नि.प्रमुख प्रशासकीय अधिकृत

तपसिल:-
निवेदन साथ पेस गर्नु पर्ने कागजातहरु

- स्थायी लेखा नम्बर प्रमाणपत्र र मूल्यअभिवृद्धि करमा दर्ता भएको प्रमाण पत्रको प्रतिलिपि,
- आ.व २०८१/८२ को कर चुक्ता प्रमाणपत्रको प्रतिलिपि,

पुनश्च:- प्राप्त दर रेटहरु स्वीकार गर्ने/नगर्ने अधिकार यस कार्यालयमा सुरक्षित रहने छ ।

मालिकार्जुन गाउँपालिका
गाउँ कार्यपालिकाको कार्यालय
शंकरपुर,दार्चुला
औजार,उपकरण खरिद BOQ

प्रमुख प्रशासकीय अधिकृत

सि.न	सामग्री	परिमाण	दर	जम्मा	कैफियत
१	X-ray DR SYSTEM (X-ray मेसिन बाहेक)	१			
२	pt.monitar	१			
३	oxygen cylinder	१			
४	pt. bed	१			
५	pt trally	१			
६	Delevary bed	१			
७	plaster cutter	१			
८	Dental chair	१			
९	pulse oximeter	१			
१०	stich remover	१			
११	dental set	१			
१२	medicine trolly	१			
१३	ECG mechine	१			
१४	needle cuter	१			
१५	fetal dopler	१			
	जम्मा				
	भ्याट				
	भ्याट सहित जम्मा				

Patient trolley

S.N.	Purchaser's Specifications		Yes/No	Remarks
	Patient trolley			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
	Patient Trolley with a Fixed Cushioned Top and an Adjustable Backrest.			
2.	**Technical Specifications**			
2.1	Approx. size: 1950L x 650W x 800H mm (± 5% tolerance).			
2.2	Framework made of high-quality MS (Mild Steel) tubing (Minimum 16-gauge thickness).			
2.3	Pre-treated and Epoxy Powder Coated finish for corrosion resistance. (Optional: Specify if full Stainless Steel (S.S.) is required).			
2.4	Equipped with four high-quality 15 cm (6 inch) diameter castors, at least two with diagonal brakes.			
2.5	Collapsible or swing-down Safety Side Railings on both sides.			
3	**Accessories, Spares and Consumables**			
3.1	All standard accessories and parts required to operate the equipment, including tools and lubrication materials, to be included in the offer. Must come with Iv stand And Mattress having High-density foam cushioned top with a water-resistant, washable Rexine/PVC cover.			
4	**Standards and Safety Requirements**			
4.1	Must submit ISO 13485 certification			
4.2	Must submit CE or USFDA certified document.			
5	**User Training**			
5.1	Not required			
6	**Warranty**			
6.1	Comprehensive warranty for 2 years.			
6.2	Maintenance Service During Warranty Period			
6.3	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.			
7	**Installation and Commissioning**			
7.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
8	**Documentation**			
8.1	User (Operating) manual in English.			

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TSN:109127 Approved Date:01.2013

Dental Chair

S.N.	Purchaser's Specifications
	Dental Chair
	Manufacturer
	Brand
	Type / Model
	Country of Origin
1	**Description of Function**
1.1	Dental Chair required for dental examination and surgical procedures and is equipped with scaler and Light Cure unit.
2	**Operational Requirements**
2.1	Patient type: adult & paediatric & deformity.
3	**System Configuration**
3.1	Dental chair with complete unit and accessories.
4	**Technical Specifications**
4.1	**Patient chair:** • Microprocessor controlled electrically operated multi programmable user friendly dental chair with both left and right handed dentistry option. • Must have erasable programmes where Dental Surgeon can set their own programmes. • The programme switch shall be fitted to instrument tray so that it is easy to operate. • Perfect body contoured chair. • The right side arm of the chair shall have lateral rotation for easy access of the patient. • Electrical patient chair loading capacity: not less than 150kg. • Backrest movement range 105°-175°. • The lowest position of the patient chair from the ground shall not be less then 380mm. • The highest position of the patient chair from the ground shall not be less then 780mm. • Foot switch with multifunction. It must provide all chair movements, adjustable and programmable position, movement of return to zero and emergency stop. • Without touch panel, which offers truly hands free operation, easy and hygienic • No cables on the floor, hygienic and clean. • One main switch to control air, water and power. • The chair position is locked while an instrument is working.
4.2	**Dentist element:** • Dentist element with whip arm system • Height of dentist element is adjustable • 1 X-ray film viewer LED based • 1 silicon mat for the dentist element which can be sterilized. • 1 three way syringe • 3 ISO 4-hole/Midwest handpiece hoses • 1 air pressure meter • 1 stainless steel instrument tray
4.3	**Assistant element:** • 1 three way syringe • 1 strong suction hose • 1 saliva ejector • With suction filter system
4.4	**Water unit:** • The cuspidor can be swivelled and removable for easy cleaning. • Programmable cup filler and bowl rinsing systems, filling and rinsing time can be set. • With automatic water heating system (24V).

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S.N.	Purchaser's Specifications
	• With water venturi and air water separator system. • Fresh water bottle 1.5L.
4.5	**Operating light:** • LED light with intensity 25000 to 40000 lux. • Power consumption 4 to 6 Watt. • On/off by sensor switch, non-touch. • 3 step intensity control by non-touch sensor.
4.6	**Dental Operators Stool:** • Mobile on 5 castors. • Euro moulded seat. • Epoxy powder coated legs. • Backrest shall move forward and backward along with the body by pneumatic piston. • The seat shall have a piston to move with the body when Surgeon leans forward. • Pneumatic system for upward and downward movements.
4.7	Come with NSK/KAVO/Sirona/W&H high speed hand piece, autoclaveable 2 units
4.8	Come with NSK/KAVO/Sirona/W & H low speed brushless motor with 1 straight hand piece & 1 contra-angle hand piece, autoclaveable, 1 set
4.9	Come with a built-in LED light cure unit.
4.10	Come with a built-in ultrasonic scaler with one each of pointed and flat scaler tips.
4.11	Come with one medical grade air compressor at least 1 horse power or capacity sufficient to supply to the Dental chair specified above, whichever higher. Bidder shall indicate capacity of the unit offered here. The compressor must have oil free, non-retraction valve, auto cut off switch and pressure gauge.
4.12	Come with one suction unit motorized oil free vacuum pump at least 1 horse power or capacity sufficient to supply to the Dental chair specified above, whichever higher. Bidder shall indicate capacity of the unit offered here. The suction must have two graduated polycarbonate autoclaveable suction jars each having 1.5L capacity, vacuum control and automatic overflow cut off device. The suction unit must be mounted on robust antistatic castors.
5	**Accessories, spares and consumables**
5.1	**Accessories:** • Dental Operators stool: 1 units
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).
6	**Operating Environment**
6.1	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metres in length.
6.2	Environment: • Temperature:10-45 degree C • Relative Humidity: not more than 98%
6.3	Air supply pressure 0.55~0.80Mpa.
6.4	Water supply pressure 0.20~0.40Mpa.
7	**Standards and Safety Requirements**
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.
7.3	Electrical safety conforms to standards for electrical safety IEC-60601.
8	**User Training**
8.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.
9	**Warranty**

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S.N.	Purchaser's Specifications
9.1	Comprehensive warranty for 2 years from acceptance.
10	**Maintenance Service During Warranty Period**
10.1	During the warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/breakdown maintenance whenever required.
11	**Installation and Commissioning**
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.
12	**Documentation**
12.1	User (Operating) manual in English
12.2	Service (Technical / Maintenance) manual in English
12.3	List of important spare parts and accessories with their part number and costing.
12.4	Certificate of calibration and inspection from factory.

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Pulse Oxymeter

S.N.	Purchaser's Specifications		Bidder's Compliance sheet		
	Pulse Oxymeter		**Yes/NO**	**Page No in Catalogue**	**Remarks**
	Manufacturer				
	Brand				
	Type / Model				
	Country of Origin				
1	**Description of Function**				
1.1	A pulse Oxymeter is a medical device that indirectly measures the amount of oxygen in a patient's blood (as opposed to measuring oxygen saturation directly through a blood sample) and changes in blood volume in the skin, producing a photoplethysmography.				
2	**Operational Requirements**				
2.1	Suitable for all types of patient range,adult, paediatric and infant and shall operate on AC mains as well as from internal rechargeable battery.				
3	**System Configuration**				
3.1	Pulse Oxymeter, complete unit with all standard accessories.				
4	**Technical Specifications**				
4.1	It shall be portable unit.				
4.2	Display- LCD, backlight illuminated.				
4.3	Parameters and waveform displayed- SpO2, pulse rate, system status, plethysmogram, menus for user settings.				
4.4	SPO2 range: 70-100 %.				
4.5	Accuracy of SPO2: 3%.				
4.6	Pulse rate range must be 30-240bpm.				
4.7	Audio-visual alarms: High/low SpO2 and pulse rate, sensor off, sensor failure, low battery.				
4.8	Shall have alarm override facility.				
4.9	It must be suitable to operate in the presence of potentially flammable anaesthetic gases, and it shall not cause fire or explosion during operations.				
4.10	RS 232C interface for data communication.				
4.11	Shall have integrated printer.				
4.12	Inbuilt rechargeable battery and shall have battery back-up for at least 4 hours. Battery charger along with AC adaptor to be provided if integrated charger is not there.				
5	**Accessories, spares and consumables**				
5.1	**Accessories:** • Reusable adult SpO2 sensor with cable: 02 nos. • Reusable paediatric SpO2 sensors: 01 no. • Reusable infant SpO2 sensor:01 no.				
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).				
6	**Operating Environment**				
6.1	The product offered shall be designed to be stored and to				

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S.N.	Purchaser's Specifications	Bidder's Compliance sheet		
	operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
7.3	Electrical safety conforms to standards for electrical safety IEC 60601-1 General requirement for Electrical safety of Medical Equipment.			
8	**User Training**			
8.1	Must provide user training (including how to use and maintain the equipment).			
9	**Warranty**			
9.1	Comprehensive warranty for 2 years after acceptance.			
10	**Maintenance Service During Warranty Period**			
10.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.			
11	**Installation and Commissioning**			
11.1	Supplier must accomplish proper installation & commissioning of equipment onsite.			
12	**Documentation**			
12.1	User (Operating) manual in English.			
12.2	Service (Technical / Maintenance) manual in English.			
12.3	List of important spare parts and accessories with their part numbers and costing.			
12.4	Certificate of calibration and inspection from factory.			

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Trolley, Medicine

S.N.	Purchaser's Specifications	Bidder's Compliance sheet		
	Trolley, Medicine	**Yes/NO**	**Page No in Catalogue**	**Remarks**
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	A medicine/drug trolley for storage and delivery of medicines and drugs to patients in wards of healthcare facilities.			
2	**Operational Requirements**			
2.1	Stainless steel medicine trolley with swivel castors.			
3	**System Configuration**			
3.1	Medicine Trolley, complete unit.			
4	**Technical Specifications**			
4.1	It shall be constructed fully with stainless steel sheet and tube or better.			
4.2	Overall size: approximately 810 H x 460 W x 760 L mm.			
4.3	Flat top of SS and at least 6 inch deep removable bucket at bottom.			
4.4	Multiple drawers (minimum 4) made of high quality materials.			
	Frame tube must be made up of CRCA tubes.			
4.9	Shall be mobile on 4 x 100mm diameter (approx.) robust 360 deg. anti-rust, anti-static, noiseless,swivel castors with non-marking grey tyres and with at least 2 diagonal castors shall have brakes.			
5	**Accessories, spares and consumables**			
5.1	**Accessories:** • SS bowl: 01 no.			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 **AND**			
7.2	CE or USFDA approved product certificate.			
8	**User Training**			
8.1	Not applicable.			
9	**Warranty**			
9.1	Warranty for 1 year after acceptance.			
10	**Maintenance Service During Warranty Period**			
10.1	Standard warranty conditions are applicable.			
11	**Installationand Commissioning**			
11.1	Must supply preassembled unit, ready to use.			
12	**Documentation**			
12.1	User's manual shall be supplied in English.			

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Patient Monitor

S.N.	Purchaser's Technical Specifications	Bidder's Compliance sheet		
	Manufacturer	**Yes/NO**	**Page No in Catalogue**	**Remarks**
	Brand			
	Type / Model			
	Country of Origin			
1.	**Description of Function**			
1.1	Advance high end monitoring vital signs of all patient categories, at bedside, transportation applicable for Adult, Pediatric and neonatal application			
2.	**Operational Requirements**			
2.1	It shall operate on AC power supply as well as built-in battery.			
3.	**System Configuration**			
3.1	Should have ECG, SpO2, NIBP, Respiration and Temperature			
4	**Technical Specifications**			
4.1	Patient monitor for Adult, Pediatric and neonatal application			
4.2	Must have at least 12" high resolution Display with navigation wheel.			
4.3	Should have facility to display ECG, SpO2, NIBP, Respiration and temperature simultaneously			
4.4	Should display at least 12 waveforms of selected parameters simultaneously			
5	**Measurements range:**			
5.1	HR approximately 15 to 300bpm <3bpm>			
5.2	NIBP approximately 20 to 300mmHg (systolic) <1mmHg>			
5.3	SpO2 approximately 0 to 100% <1%>			
5.4	RR (ECG derived) approximately 15 to 300bpm <1bpm >			
5.5	Temperature approximately 0 to 50C <0.1C>			
5.6	NIBP oscillometric step deflation, manual/automatic, initial inflationpressure user selectable			
5.7	Must have Alarm limit display on main screen.			
5.8	Must have Patient specific alarm default settings.			
5.9	Should have 100 hours of graphical and tabular trends and 48 hours of full disclosure.			
5.10	Must have Up to 8 hours of short trend display side by side with real time waveforms and numeric.			
5.11	Must have Up to 8 waveforms display.			
5.12	Standard HL7 output.			
5.13	Must have autonomy of built-in rechargeable battery approximately 1 hours, automatic recharge when connected to mains.			
6	**Accessories, spares and consumables**			
6.1	**Accessories:**			

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S.N.	Purchaser's Technical Specifications	Bidder's Compliance sheet		
	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.			
6.2	3 Lead ECG electrode cable Adult SpO2 probe NIBP cuffs for Adult Temp Probe – 1No.			
7.0	**Operating Environment**			
7.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
7.2	Power supply: 220 - 240 VAC, 50Hz fitted with appropriate plug.			
8	**Standards and Safety Requirements**			
8.1	Must submit ISO 13485:2003/AC:2007 for medical devices AND			
8.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
9.0	**User Training**			
9.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.			
10.0	**Warranty**			
10.1	Comprehensive warranty for 2 years from acceptance.			
11.0	**Maintenance Service During Warranty Period**			
11.1	During the warranty period supplier must ensure corrective/ breakdown maintenance whenever required.			
12.0	**Installation and Commissioning**			
12.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
13	**Documentation**			
14.1	User (Operating) manual in English.			
14.2	Service (Technical / Maintenance) manual in English.			
14.3	Certificate of calibration and inspection from factory.			

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ECG Machine, Portable (12 Channel)

S.N.	Purchaser's Specifications	Bidder's Specifications		
	ECG Machine, Portable (12 Channel)	**Yes/No**	**Page no. in catalog**	**Remarks**
	Manufacturer			
	Brand			
	Type/Model			
	Country of Origin			
1	**Description of Function**			
1.1	ECG Machine is primary equipment to record ECG Signal in various configurations.			
2	**Operational Requirements**			
2.1	Portable digital ECG machine must be able to acquire all 12 Leads simultaneously.			
3	**System Configuration**			
3.1	Portable digital ECG machine with complete accessories			
4	**Technical Specifications**			
4.1	Simultaneous recording of 12 standard leads: aVR, aVL, aVF, I, II, III and V1-6 pre-cordials.			
4.2	Internal memory for data storage.			
4.3	Splash-resistant alphanumeric keyboard with function keys.			
4.4	With zeroing reset, auto-base-line correction (0.5Hz) and 1mV test/calibration signal.			
4.5	Filter setting for line-frequency (50 or 60Hz) and tremor.			
4.6	Continuous check on the quality of electrodes connection, audio visual alert on loss of signal			
4.7	Appropriately protected for operation during defibrillation.			
4.8	Alphanumeric LCD display, Display shows ECG-curves, heart rate, patient name and ID, time, speed and filter setting.			
4.9	Front panel provides indication of system and battery status, electrode connection and paper.			
4.10	Built-in high-resolution 300 dpi thermal printer, width 210mm, automatic and manual print-out mode.			
4.11	Number of channels printed is user selectable: 3, 6 or 12.			
4.12	Combination of channels printed is standard and user selectable and with copy function.			
4.13	Paper speed, user adjustable: 5, 25 and 50mm/sec.			
4.14	Sensitivity, automatic or user selectable: 5, 10 and 20mm/mV.			
4.15	Data interface: RS232 or equivalent Self-test is performed each time the device is switched on.			
4.16	Transformer, charger and rechargeable battery integrated in device.			
4.17	Autonomy, approximately 50 readings.			
5	**Accessories, spares and consumables**			
5.1	**Accessories:** • Patient cable-1 no. • Reusable chest electrodes, suction ball-type- 6 nos. • Set of spare fuses- 1 set • Plastic protective dustcover- 1 no.			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			

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6.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220–240V AC, 50Hz fitted with appropriate plug type D round 3 pins. The power cable must be at least 3 metre in length.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.			
8	**User Training**			
8.1	Must provide user training (including how to use and maintain the equipment)			
9	**Warranty**			
9.1	Comprehensive warranty for 2 years after acceptance.			
10	**Maintenance Service During Warranty Period**			
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.			
11	**Installation and Commissioning**			
11.1	Supplier must accomplish proper installation and commissioning of the equipment on site.			
12	**Documentation**			
12.1	User (Operating) manual in English			
12.2	Service (Technical / Maintenance) manual in English			
12.3	List of important spare parts and accessories with their part numbers and costing.			
12.4	Certificate of calibration and inspection from factory.			

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NEC No. 352 'A'

TSN:129109 Approved Date:01.2013

Doppler Foetal Heart Detector with Rechargeable Battery

S.N.	Purchaser's Specifications	
	Doppler Foetal Heart Detector with Rechargeable Battery	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Description of Function**	
1.1	Doppler foetal heart detector is a hand-held ultrasound transducer used to detect the heartbeat of a foetus for prenatal care.	
2	**Operational Requirements**	
2.1	Shall be portable/handheld, lightweight and easy to carry.	
3	**System Configuration**	
3.1	Doppler, Foetal Heart Detector, complete with accessories.	
4	**Technical Specifications**	
4.1	Doppler based foetal heart rate detector with amplifier loudspeaker.	
4.2	Transducer frequency, approx.: 2 MHz.	
4.3	Transducer probe with fixed wire connection to the main unit, length approximately 35cm.	
4.4	Detector diameter approximately 20mm.	
4.5	Self-test is performed each time the device is switched on.	
4.6	Large LCD/TFT display shows foetal heart rate (FHR) in beats per minute (bpm), pulse indicator, sound volume level, battery indicator.	
4.7	System shall report operational status, malfunctions and low battery with audio-visual alerts.	
4.8	Built-in loudspeaker with volume adjustment.	
4.9	Advanced noise suppression system assures quality diagnostic sound.	
4.10	Operates on inbuilt rechargeable batteries with autonomy of 10 hours or more continuous operation. Bidder to specify the number of batteries to be supplied, and details of hours of examinations on fully charged battery.	
4.10	Battery charger with AC adaptor shall be provided.	
5	**Accessories, spares and consumables**	
5.1	**Accessories:** • 2 x Tubes of ultrasound gel, approximately 350ml • 1 x Set of spare batteries • 1 x Soft carry bag easy to clean	
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
6	**Operating Environment**	
6.1	The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.	
6.2	Power input: 220 – 240 VAC, 50Hz for battery charging.	
7	**Standards and Safety Requirements**	
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**	
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.	
8	**User Training**	
8.1	Must provide user training (including how to use and maintain the equipment).	
9	**Warranty**	
9.1	Comprehensive warranty for 1 year after acceptance.	
10	**Maintenance Service during Warranty Period**	
10.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
11	**Installation and Commissioning**	

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S.N.	Purchaser's Specifications
11.1	Supplier must accomplish proper commissioning of equipment onsite.
12	**Documentation**
12.1	User (Operating) manual in English.
12.2	Service (Technical / Maintenance) manual in English.
12.3	List of important spare parts and accessories with their part numbers and costing.
12.4	Certificate of calibration and inspection from factory.

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TSN:120102 **Approved Date:01.2013**

Bed,Hospital(Plain)

S.N.	Purchaser's Specifications		Bidder's Compliance sheet		
	Bed, Hospital (Plain)		**Yes/NO**	**Page No in Catalogue**	**Remarks**
	Manufacturer				
	Brand				
	Type/Model				
	Country of Origin				
1	**Description of Function**				
1.1	A hospital bed is a bed specially designed for hospitalized patients in need of care. These beds have special features both for the comfort and well-being of the patient and for the convenience of hospital staff.				
2	**Operational Requirements**				
2.1	The patient bed shall be made of solid steel construction with anti-corrosive and antirust treated baked hard epoxy powder coating.				
3	**System Configuration**				
3.1	Hospital Bed				
4	**Technical Specifications**				
4.1	Bed base shall be anti-corrosive and antirust treated epoxy powder coated steel frame				
4.2	The bed base top shall be made of epoxy powder coated 18G perforated sheet to improve ventilation				
4.3	The patient bed shall have a fixed height.				
4.4	Shall have 4 IV rod receptacles and mosquito net pole receptacles at the 4 corners.				
4.5	It shall come with one dual hook anti-corrosive and antirust treated epoxy powder coated or 304 grade stainless steel IV rod.				
4.6	Shall have provisions to fix urinary bag on both sides.				
4.7	All 4 legs of the bed shall be capped with heavy duty rubber footings.				
4.8	It shall have S.S. / epoxy powder coated bedhead & foot-end fitted with laminated panels.				
4.9	Both bedhead and foot-end panel shall be detachable.				
4.10	The height of the bedhead panel: not less than 1060mm from floor.				
4.11	The height of the foot-end panel: not less than 820mm from floor.				
4.12	Overall approximate dimension: not less than 1980mm length, 900mm width, 510mm height				
4.13	The colour of the paint or coating shall be finalised during contract negotiation.				
5	**System Configuration Accessories, spares and consumables**				
5.1	All standard accessories/consumables/parts required for the proper operation of the above item shall be included in the offer. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Form				
6	**Operating Environment**				

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S.N.	Purchaser's Specifications	Bidder's Compliance sheet		
6.1	The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO 13485:2003/AC:2007 **AND**			
7.2	CE or USFDA approved product certificate.			
8	**User Training**			
8.1	Not applicable.			
9	**Warranty**			
9.1	Warranty for 1 year after acceptance.			
10	**Maintenance Service During Warranty Period**			
10.1	Standard warranty conditions are applicable.			
11	**Installation and Commissioning**			
11.1	Must supply preassembled unit, ready to use.			
12	**Documentation**			
12.1	Users/Instructions manual shall be provided in English.			

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TSN:129102 Approved Date:01.2013

Bed, Delivery (Manual)

S.N.	Purchaser's Specifications	
	Bed, Delivery (Manual)	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Description of Function**	
1.1	Delivery bed is used for Baby Delivery and must incorporate ideal blend of the patient's comfort and the professional needs of the delivery team, focusing on the aesthetic and functional design of the entire product.	
2	**Operational Requirements**	
2.1	Manually operated delivery bed.	
3.	**System Configuration**	
3.1	Delivery Bed with complete attachments and accessories.	
4	**Technical Specifications**	
4.1	It must have manual adjustments for height and back positions.	
4.2	It must have collapsible side rails.	
4.3	It must have three sectional mattress and seat section must have large perennial cut.	
4.4	It must have headboard which can be detached.	
4.5	Must have wheels provided with locking system.	
4.6	Must have retractable foot section so as to convert bed into table.	
4.7	Must have infusion rods, which have adjustable heights, quick release and attaches to all corners of bed.	
4.8	Must have adjustable leg rests.	
4.9	Must have push grip handles.	
4.10	Must have sliding stainless steel bowl at perennial part of table.	
4.11	It must have catheter bag holder, which can be attached, on either side of bed.	
4.12	It must be able to give trendelenburg, reverse trendelenburg and 70 degree sitting position.	
4.13	It must have adjustable foot supports.	
4.14	It must be easy to maintain clean and sterilize (especially blood stains).	
4.15	Frame must be of epoxy powder coated (washable) steel.	
4.16	Dimensions (approx.): • Length: 180cm • Width: 75cm • Load capacity: 150kg or more	
5	**Accessories, spares and consumables**	
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
6	**Operating Environment**	
6.1	The system offered must be designed to store and be operated normally under the condition of the purchaser's Country. The conditions include Climate, temperature and relative humidity.	
7	**Standards and Safety Requirements**	
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices AND	
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.	
8	**User Training**	
8.1	Must provide user training (including how to use and maintain the equipment).	
9	**Warranty**	
9.1	Comprehensive warranty for 2 years.	
10	**Maintenance Service during Warranty Period**	

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S.N.	Purchaser's Specifications
10.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required
11	**Installation and Commissioning**
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel, any prerequisites for installation to be communicated to the purchaser in advance, in detail.
12	**Documentation**
12.1	User (Operating) manual in English.
12.2	Service (Technical / Maintenance) manual in English.
12.3	List of important spare parts and accessories with their part numbers and costing.

सहायक इंजीनियर
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Flat panel Detector (DR) with WorkStation

Manufacturer				
Brand				
Type/Model				
Country of Origin				
S.N	**Description**	**Yes/No**	**Reference Page No**	**Remarks**
1	**Description of Functions**			
1.1	The Flat Panel direct digital radiography units (Portable type) for general purpose radiology examinations with Workstation. it should be a Retrofit Solution and capable to work with any of the X-Ray available in Department.			
2	**Operational Requirements**			
2.1	Flat Panel digital detector with works station. It shall be suitable to be used for adult and paediatric patients in general Radiography examination			
3	**System Configuration :**			
3.1	DR system with Workstation and complete Accessories.			
4	**Technical Specifications**			
4.1	Flat Panel Detector System: 1 units			
4.2	Material: Cesium Iodide scintillator for low dose application.			
4.3	Size: Portable wireless type approx. 14x17 inches detector. Bidder to indicate the size of the units offered.			
4.4	Weight : Detector should be light weight (less than 3.5Kgs)or less			
4.5	Image preview time should be less than 3 sec .			
4.6	Lossless AED (automatic exposure detection) and line trigger mode.			
4.7	Detector should have at least IPX44 rating or more			
4.8	Should have spatial resolution of 3.3lP/mm or better.			
4.9	The pixel size 150 approx micron or less			
5	**Workstation:**			
5.1	Image Acquisition :			
5.2	Measurement tools, zoom and Pan, Brightness and contrast adjustment, horizontal and vertical flip, actual size printing capability for accurate representation of anatomical size. Feature to support emergency patient study, auto reason and functionality with reason.			
5.3	With AEC, selection of anatomical and age programs, selection of manual or automatic exposure.			

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5.4	With dedicated operating system and all software needed for x-ray images diagnosis, documentation, reporting, archiving. Bidder shall specify in details all software included here.			
5.5	Come with free software upgrade within the lifespan of the system. Bidder must declare his compliance with this condition here.			
5.6	Computer Configuration: CPU – Intel i3, RAM – 8GB, HDD – 200GB, OS Window 7 Pro 32/64 bit. 5.6 Display Monitor: at least 23" LCD of 1900x1020 Pixel size approx.			
6	**Laser or Thermal Image Printer**			
7	**All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).**			
8	**Operating Environment**			
8.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
8.3	Power supply: 220 – 240 VAC, Single phase 50 Hz. fitted with appropriate plug for other units.			
8.4	UPS of suitable rating for at least 30 min. backup shall be supplied.			
9	**Certifications**			
9.1	Must submit ISO 13485:2003/AC: 2007 AND IEC 60601-1-2 Ed 2.1 Medical Electrical Equipment Electromagnetically Compatibility Requirement for Medical Devices			
9.2	CE (93/42 EEC Directives) or USFDA approved product certificate for both detector and Printer.			
10	**User Training:**			
10.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.			
11	**Warranty**			
11.1	Comprehensive warranty for 2 years from acceptance.			
12	**Maintenance Service During Warranty Period**			

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12.1	During warranty period supplier must ensure preventive maintenance & corrective/breakdown maintenance whenever required.			
13	**Installation and Commissioning**			
13.1	The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
14	**Documentation**			
14.1	User (Operating) manual in English.			
14.2	Service (Technical / Maintenance) manual in English.			
14.3	Certificate of calibration and inspection from factory.			

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