



त्रिभुवन विश्वविद्यालय

शिक्षण अस्पताल

तार-टुयमेड
महाराजगञ्ज
काठमाडौं, नेपाल ।

पत्र संख्या :-

त्रिभुवन विश्वविद्यालय
शिक्षण अस्पताल
सूचना
२०८२।१२।०१

मिति :

यस त्रि.वि.शिक्षण अस्पतालको Paediatric विभागको लागी तपसीलमा उल्लेखित उपकरणहरु खरिद गर्नु पर्ने भएकाले उक्त सामग्रीहरु आपूर्ति गर्न इच्छुक इजाजत प्राप्त सप्लायर्स/कम्पनी/फर्महरुले यो सूचना प्रकाशित भएको मितिले सात(७) दिन भित्र आवश्यक सम्पूर्ण कागजात सहित शिलबन्दी दरभाउपत्र अस्पतालको सामान्य प्रशासन शाखा "क" मा पेश गर्नुहुन सूचित गरिन्छ। प्राविधिक विवरण र मुल्य विवरण फारम पनि यसै साथ संलग्न गरीएको छ। साथै थप जानकारीको लागी सामान्य प्रशासन शाखा 'क' मा सम्पर्क गर्न सकिनेछ।

तपशिल :

S.N.	Description	Req.Unit
1.	Infant Radiant Warmer W/Bed	2 Set.
2.	Neonatal Resuscitation Care System.	1 Set.


सरस्वती गुरुङ्ग
प्रमुख
सामान्य प्रशासन 'क'

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1. Price Schedule for Machine

1	2	3	4	5	6	7	8
Item	Description	Unit	Quantity	Unit price (Site Delivery)	Total price in figure (cols. 4 x 5)	Total price in words	Remarks
1	Infant Radiant Warmer.	Set	2(Two)				
2	Neonatal Resuscitation Care System.	Set	1(One)				
Total Amount							
Add 13% Value Added Tax							
Total Including VAT							

Total Price (in words)

Signature and Stamp of Bidder _____

Note: In case of discrepancy between unit price and total, the unit price shall prevail

2. Schedule of Requirements

The delivery schedule expressed as days/weeks/months stipulates hereafter a delivery date which is the date of delivery to the final destination where the Goods is required to be delivered.

No.	Description	Quantity	Place of Delivery	Delivery schedule days/weeks/months from date of Purchase Order
1	Infant Radiant Warmer.	2(Two) Set	TUTH, Maharajgunj, Ktm.	Seven Days
2	Neonatal Resuscitation Care System.	1 (One) Set		

3. Technical Specifications of Baby Warmer 2 Set:

S.No	Technical specification	Bidders Offer
	Name of the bidder:	
	Manufacturer:	
	Country of Origin:	
	Made in:	
	Brand:	
	Type /Model :	
	Technical Specification	
1.	Microprocessor based servo controlled Quartz Infrared radiant warmer used for clinical management of neonatal hypothermia.	
2.	Basic unit should including radiant heater and Baby basinet with side railings four sides , lockable wheel and IV rod.	
3.	It should have manual Mode and Servo Mode.	
4.	It should have skin servo-controlled system.	
5.	Warm up time should be less than 15 mins.	
6.	It should have quartz infrared heater with parabolic reflector.	
7.	It should have Temperature Bright numerical LED for displaying Set Temperature	
8.	Measuring Temperature Range 15°C to 40°C <ul style="list-style-type: none">• Accuracy $\pm 0.2^\circ\text{C}$• Resolution 0.1°C• Probe interchangeability $\pm 0.2^\circ\text{C}$• Servo mode set temperature range 32°C to 38°C	
9.	The measuring temperature range should be 15°c to 40°c .	
10.	Heater output control range should be 0-100% with increment of 10%.	
11.	The Thermistor probe must be sensitive and the temperature response time should not be more than 40 second.	
12.	The accuracy of the thermistor must be $\pm 0.2^\circ\text{c}$ or better.	
13.	It should have integrated LED observation lamp provide in the heater box.	
14.	The heater unit may be 90° swiveled away on either side when X-ray equipment is used.	
15.	Side walls must be able to fold down on 4 sides.	
16.	The bed can be tilted smoothly $\pm 12^\circ$ both Trendelenburg and reverse Trendelenburg position.	
17.	It should have X-ray cassette trays may be slide into and out of the x-ray compartment without any need to handle the infant.	
18.	It should have a instrument tray attached.	
19.	Power supply: 230V, 50 Hz with at least 3 m power cord.	
20.	The low and High temperature alarm should be activated, if the temperature is 0.5°c lower/higher than the set temperature. The response time should not exceed more than 30 to 40 second.	
21.	It should have function to clear the alarm or alarm message.	
22.	Should have audible alarm for power failure, High/Low temperature, sensor	

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	breakdown, skin sensor defective or disconnected.	
23	Automatic heat reduction up to 60% must be available after 15 minutes in manual mode and audio alarm must be activated to prevent burn injury in the babies.	
24	The unit should be provided with swivel castors fixed on a sturdy base.	
25	Coating should be Epoxy/Powder coated body for scratch and rust prevention	
26	Should have APGAR Timer.	
27	The supplier must be able to demonstrate the quoted model in case the technical committee asks for the same. The demonstration can be in the purchaser's premises or any other hospitals.	
	Terms and Conditions	
1	The unit should be CE marked to European medical devices directive or US-FDA certificates must be valid.	
2	The supplier must submit the brochure or e-copy.	
3	Should have 2 years complete parts warranty and additional 3 years of service warranty excluding consumables.	
4	Certification of manufacturer guaranteeing the availability of all spare parts for next 10 years.	
5	Onsite repair & maintenance training and operational training to the Hospital's technical, biomedical staffs and Users.	
6	1 copy of operating manual in English should be provided at the time of installation.	
7	The bidder should submit the valid authorization letter from the manufacturer.	
8	The machine supplied should be brand new with the date of manufacture mentioned and the country of origin should be clearly mentioned.	
9	All the standard accessories to run the machine shall be provided during the time of installation.	
10	The cost of important spares must be submitted; else bid will be disqualified.	

2) Technical Specification For Baby Warmer with Resuscitation – 1 unit

S.No	Technical specification	Bidders Offer
	Name of the bidder:	
	Manufacturer:	
	Country of Origin:	
	Made in:	
	Brand:	
	Type /Model :	
	Technical Specification	
1.	The Baby Warmer shall be a microcontroller-based neonatal care system designed to provide controlled thermal support, resuscitation assistance, suction, oxygen delivery, and integrated phototherapy.	
2.	The unit shall be suitable for use in delivery rooms, NICUs, and neonatal wards, and shall comply with international safety and quality standards.	
3.	The heater shall be a quartz infrared type with parabolic reflector and manual output control from 0–100%.	
4.	Bed shall swivel $\pm 60^\circ$ on both sides of the vertical column to facilitate intubation and resuscitation.	
5.	Maximum bed tilt shall be 12° (continuously variable) with a gas spring mechanism	

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	for smooth, jerk-free movement.	
6.	Bed shall support Trendelenburg and Fowler positions.	
7.	Motorized height adjustment shall be provided with overall unit height from 182–212 cm and cradle height from 85–115 cm.	
8.	Mattress size shall be 720 mm (L) × 620 mm (W) with an oval shape for easy infant access.	
9.	The structure shall be made of corrosion-resistant reinforced plastic with epoxy or powder-coated finish.	
10.	Unit shall be mounted on four castors of 4-inch diameter, all with brakes.	
11.	Feather-touch, colour-coded keypad shall be provided for easy operation.	
12.	Separate LED displays shall show set temperature, measured temperature, and heater power output.	
13.	Automatic self-test shall be performed periodically.	
14.	Operating temperature range: 18°C to 30°C and Operating atmospheric pressure: 700 to 1060 hPa.	
15.	Servo mode skin temperature range: 32°C to 38°C , resolution 0.1°C	
16.	Manual heater control: 0% to 100% , adjustable in 10% increment	
17.	The unit shall include audio-visual alarms for temperature deviation, probe failure, power failure, heater failure, and system fault.	
18.	The system shall operate at 230 V ±10%, 50 Hz with maximum power consumption of 800 W.	
19.	A resuscitation unit with oxygen flow control of 0–15 L/min and electronic air–oxygen blender shall be provided.	
20.	Adjustable PIP of 10–35 cm H ₂ O with maximum airway pressure of 55 cm H ₂ O shall be available.	
21.	Suction system shall provide maximum suction of 250 mmHg with Venturi-based oxygen activation.	
22.	APGAR timer, instrument tray, swivel utility trays, IV pole for four pumps, and oxygen cylinder clamp shall be provided.	
	Terms and Conditions	
1	The unit should be CE marked to European medical devices directive or US- FDA certificates must be valid.	
2	The supplier must submit the brochure or e-copy.	
3	Should have 2 years complete parts warranty excluding consumables and additional 3 years of service warranty.	
4	Certification of manufacturer guaranteeing the availability of all spare parts for next 10 years.	
5	Onsite repair & maintenance training and operational training to the Hospital's technical, biomedical staffs and Users.	
6	1 copy of operating manual in English should be provided at the time of installation.	
7	The bidder should submit the valid authorization letter from the manufacturer.	
8	The machine supplied should be brand new with the date of manufacture mentioned and the country of origin should be clearly mentioned.	
9	All the standard accessories to run the machine shall be provided during the time of installation.	
10	The cost of important spares must be submitted; else bid will be disqualified.	