

नेपाल प्रहरी अस्पताल महाराजगंज काठमाडौं  
बिद्युतिय बोलपत्रको सूचना नं. ०२/०७६/०७७ को संशोधन  
मु-चता नं. ०६/०६६/०६६  
प्रकाशित मिति २०७६/०४/०५ गते।

आ.व.२०७६।०७७ सालमा आवश्यक पर्ने विभिन्न मेशिनरी औजार तथा उपकरणहरु बिद्युतिय बोलपत्रको माध्यमबाट खरिद गर्न सूचना आब्हानको लागि प्रथम पटक मिति २०७६।०४।१३ गते नयाँ पत्रिका राष्ट्रिय दैनिकमा प्रकाशित सूचना बमोजिमको बोलपत्र सम्बन्धी कागजातहरुमा केही संशोधन गरिएको ब्यहोरा सुचित गरिएको छ।

बिस्तृत जानकारीको लागि [www.nph.nepalpolice.gov.np](http://www.nph.nepalpolice.gov.np), [www.nepalpolice.gov.np](http://www.nepalpolice.gov.np) र [www.ppmo.gov.np](http://www.ppmo.gov.np) समेतमा हेर्न सकिने ब्यहोरा सुचित गरिएको छ।



नेपाल सरकार  
गृह मन्त्रालय  
**नेपाल प्रहरी अस्पताल**  
(घरबन्धी शाखा)  
पो. ब. नं. २११४७

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visit Nepal  
2020

पो. ब. नं. २११४७

महाराजगंज, काठमाण्डौ

मिति: २०७६।०५।०४ गते।

पत्र संख्या: प्रक्र.पा. २०७६।०४।३३४४

च.नं. ६६६

प्राप्त पत्र संख्या:

**विषय : बिद्युतिय बोलपत्र सम्बन्धी कागजातहरूको संशोधन सम्बन्धमा।**

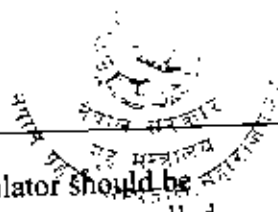
उपरोक्त विषयमा यस अस्पतालको लागि आ.ब. २०७६/०७७ मा आवश्यक पर्ने विभिन्न मेशिनरी औजार तथा उपकरणहरू बिद्युतिय बोलपत्रको माध्यमबाट खरिद गर्न मिति २०७६/०४/१३ गते सोमबार नयाँ पत्रिका राष्ट्रिय दैनिकमा प्रकाशित सूचना बमोजिमको बोलपत्र सम्बन्धी कागजातहरूमा मिति २०७६।०५।०१ गते १३:०० बजे यस अस्पतालमा आयोजना गरिएको बोलपत्र पेश गर्नु पूर्वको बैठक ( Pre-Bid Meeting) मा भएको छलफल तथा बोलपत्रदाताहरूको तर्फबाट प्राप्त भएको सुझाव समेतलाई ध्यान दिई देहाय बमोजिम संशोधन/परिमार्जन गरिएकोले सम्बन्धित सबैको जानकारीको लागि अनुरोध गरिएको छ।

साथै बोलपत्र दाखिला गर्ने तथा बोलपत्र खोल्ने मिति र समय यथावत रहेको व्यहोरा समेत जानकारीको लागि अनुरोध गरिएको छ।

**निम्न:**

संशोधन गरिएको मेशिनरी उपकरणको सि.नं.	मेशिनरी उपकरणको नाम	बिबरण		संशोधन तथा थपको भएको बिबरण
		बुँदा नं.	अस्पतालले निर्धारण गरेको स्पेशिफिकेशन	
1	Dental Chair	1	Body Contoured Electrically Operated microprocessor based Multi programmable chair with both left and right handed dentistry option.	Body Contoured Electrically Operated microprocessor based chair with both left and right handed dentistry option.
3	ICU Ventilator (Neonatal)	1.1	A pneumatic dedicated adult, pediatric and neonatal ventilator for use in intensive care unit.	A pneumatic dedicated neonatal ventilator for use in intensive care unit.

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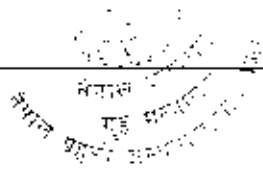


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		3.1	The ventilator should be microprocessor controlled designed for Adult/Pediatrics use with possibility to upgrade with additional features.	The ventilator should be microprocessor controlled designed for neonatal use with possibility to upgrade with additional features.
		4.8	Battery back-up time: 4 to 6 Hours	Battery back-up time: 1 hour and optional UPS should be provided for 6-8 hrs.
		4.1	Ventilation frequency: approximately 4-120 bpm	Ventilation frequency: approximately up to 150 bpm
		4.11	Inspiratory flow range: 6 to 150 l/min	Inspiratory flow range: 0.2 to 30l/min
		4.13	Inspiration time: approximately 0.1-12s	Inspiration time: approximately 0.1-10s
		4.14	Tidal volume: 20-2500ml, less than 20 ml is also preferred	Tidal volume: 2ml or minimum
		4.15	Inspiratory pressure: approximately 50-60 cm H2O	Inspiratory pressure: approximately 1-60 cm H2O
		4.24	It shall be able to work with O2 concentrator in delivering oxygen to patient.	Point Remove from specification
		4.26	Inbuilt flow compensated nebulizer.	Flow compensated nebulizer.
		5.4	Silicon Autoclaveable breathing circuit for adult and child. 2 complete sets each.	Silicon Autoclaveable breathing circuit for neonate 2 complete sets
		5.9	Silicon test lung adult and child size, 1 set each	Silicon test lung neonatal size 1 set each

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		5.17	Flow Sensor, 5 pcs	Flow Sensors Should cover under warranty for three years
		5.21	Priorities on presence of permanent of O2 cell.	Oxygen Sensor needs to provide free of cost for 6 years.
4	Anaesthesia Machine	3.1	Anaesthesia workstation with circle absorber, two vaporizers (Sevoflurane and isoflurane), Ventilator and Monitoring and with complete accessories.	Anaesthesia workstation with circle absorber, two vaporizers (Sevoflurane and isoflurane), Ventilator and Monitoring and with complete accessories. Must have BIS and AG module and upgradation available for NMT in anaesthesia machine.
		4.5	Must have touch screen, brightness adjustable, TFT display of at least 10" size.	Must have touch screen, brightness adjustable, TFT display of at least 15" size.
		4.9	Pin index yokes for connecting cylinders for O2.	Two Pin index yokes for connecting cylinders for O2 and Air.
		4.13	Flow Meter: • 2 flow meter columns for each kind of gas ; 1 column approximately from 0 to 1 L/min and the other column approximately from 1 to 15 L/min	<b>Flow Meter:</b> Must have electronic flow meter for O2, N2O and Air.
		4.16	Battery backup for not less than 90 minutes of operation.	Lithium ion Battery backup for not less than 90 minutes of operation.
		4.22	<b>Ventilator:</b> • Ventilator must have Volume Control and Pressure Controlled, SIMV and PSV modes. • Pressure limitation : approximately 10-100 cm H2O	<b>Ventilator:</b> Ventilator must have Volume Control and Pressure Controlled, SIMV, PSV PCV-VG modes and upgradable to SIMV-VG, CPAP/PS mode.



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		<p><b><u>Anaesthesia Monitoring Specifications:</u></b></p> <ul style="list-style-type: none"> <li>• Monitoring of vital parameters: ECG, NIBP, SPO2. 2-ch Invasive Blood Pressure, Side stream EtCO2 and its complete accessories.</li> <li>• Twin temperature measurement with skin and rectal probes- one set with each</li> <li>• Automatic identification and measurement of EtCO2, O2 and N2O and MAC value. FiO2 measurement</li> <li>• 24hrs of graphical and numerical trending</li> <li>• Must have Hemodynamic, Oxygenation and Ventilation calculation package</li> <li>• Audio visual and graded alarming system</li> <li>• Monitor must be of same manufacturing company.</li> </ul>	<p><b><u>Anaesthesia Monitoring Specifications:</u></b></p> <ul style="list-style-type: none"> <li>• Monitoring of vital parameters: ECG, NIBP, SPO2. 2-ch Invasive Blood Pressure, Side stream EtCO2 and its complete accessories.</li> <li>• Automatic identification and measurement of EtCO2, O2 and N2O and MAC value. FiO2 measurement.</li> <li>• 24hrs of graphical and numerical trending.</li> <li>• Must have Hemodynamic, Oxygenation and Ventilation calculation package.</li> <li>• Audio visual and graded alarming system.</li> <li>• Monitor must be of same manufacturing company.</li> <li>• Monitor must be atleast 12 inch touch screen.</li> <li>• Plug and play modular design monitor, upgradable to 4ch IBP, Multigas and BIS/BIS*4 measurement</li> <li>• Must have clinical assistiv application/OXYCRG for saftey in neonates.</li> <li>• Monitor must be feautered with Early Warning Scoring Function,SPO2 target management and False Alarm suppresion function.</li> <li>• Must provide the bracket to hang the monitor on the side of anesthesia machine.</li> </ul>
	5.1	<p><b><u>Accessories:</u></b></p> <ul style="list-style-type: none"> <li>• Reusable IBP Transducer - 04 sets</li> </ul>	<p><b><u>Accessories:</u></b></p> <ul style="list-style-type: none"> <li>• Disposable IBP Transducer -04 sets</li> <li>• BIS and AG Module and accessories kit- 1 set</li> </ul>
	8.1	<p>Must provide on-site user training (including how to use and maintain the equipment).</p>	<p>Must provide user and maintenance training (including how to use and maintain the equipment).</p>
	13	<p>Terms and conditions: -ISO Certified. CE or US FDA Certified</p>	<p>Terms and conditions: -ISO Certified. CE and US FDA Certified</p>

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5	High End Color Doppler Ultrasound Machine	2.24	The Endocavity probe should have viewing angle of more than 200 Degree, to visualize entire Uterus from cervix to fundus.	The Endocavity probe should have viewing angle of more than 180 Degree, to visualize entire Uterus from cervix to fundus.
		2.34	System should have 21" or more HD LED high resolution monitor with wide viewing angle and able to move monitor up/down, swivel.	System should have 23" or more HD LED high resolution monitor with wide viewing angle and able to move monitor up/down, swivel.
		3.2	Endocavity (TV/TR): Endocavity Probe Frequency ranging between 3MHz to 12 MHz. Having more than 200 degree field of view.	Endocavity (TV/TR): Endocavity Probe Frequency ranging between 3MHz to 12 MHz. Having more than 180 degree or more field of view.
		7.5	The bidder should provide training for two radiologists for fusion technology where adequate exposure is available.	Remove from the specification
		9.3	Full HD LED Monitor 21 inch compatible with system for patient viewing. -1 set	Full HD LED Monitor 23 inch or more compatible with system for patient viewing. -1 set
6	ENT Treatment Unit	4	3 spray system	3 spray system and 2 suction system
		8	Light cable connection storz	Light cable connection
		11	Lamp life time AP. 10,000H	Lamp life time AP. At least 30,000 hours
		12	Dimension more than : W x H x D 240x85x210mm. The weight should not be more than 130	Dimension more than : W x H x D 240x85x210mm. The weight should not be more than 130 kg
		14	Luminance: 16 °10E6 CD/M <sup>2</sup>	Remove this point from the specification

		<p>Mirror de mister Endoscopy Holders with rigid endoscopes of</p> <ul style="list-style-type: none"> <li>• Ear Telescope:3mm-diameter/6cm length/0 degree- 2 nos.</li> <li>• 4mm/30 degree nasal endoscope- 2 nos.</li> <li>• 2.7mm/30 degree nasal endoscope – nos.</li> </ul> <p>Movable Strong wheel Led light source – Heavy Duty with Cable connector</p>	<p>Mirror de mister Endoscopy Holders with rigid endoscopes of</p> <ul style="list-style-type: none"> <li>• Ear Telescope:3mm-diameter/6cm length/0 degree- 2 nos.</li> <li>• 4mm/30 degree nasal endoscope- 2 nos.</li> <li>• <b>2.7mm/30 degree nasal endoscope – 2 nos.</b></li> </ul> <p>Movable Strong wheel Led light source – Heavy Duty with Cable connector</p>
	<p>20</p>	<p>Led Head Light System Technical Specifications Light spot diameter: 65mm@400mm maximum lamination 40000 Lux@200mm Brightness control: 2 Levels Battery indication: Low battery warranty warning with buzzer Housing diameter: 18mm Viewing Angle: Can be adjusted to any angle Operating Time: High Lux - 6hrs. Low Lux -20hrs. Color temperature: AP 5700k- 6500k Led life span: 100,000 hrs Battery capacity: Rechargeable and replaceable Li-on polymer battery, 1200mAh, 3.7V Net Weight (Including battery): 130g Otoscope: Micro view otoscope (welch Allyn)</p>	<p>Led Head Light System Technical Specifications Light spot diameter: 65mm@400mm maximum lamination 40000 Lux@200mm Brightness control: 2 Levels Battery indication: Low battery warranty warning with buzzer Housing diameter: 18mm Viewing Angle: Can be adjusted to any angle Operating Time: High Lux -6hrs. Low Lux -20hrs. Color temperature: AP 5700k- 6500k Led life span: 100,000 hrs Battery capacity: Rechargeable and replaceable Li-on polymer battery, 1200mAh, 3.7V Net Weight (Including battery): 130g Otoscope: 0 degree , 3mm diameter and 60mm length. Micro view otoscope.</p>

		<p>21</p> <p><b>Technical Data &amp; Dimensions of the unit</b>  suction pump 800mg high power suction  3000 c.c. suction bottle 2 pcs  1/8 hp 1 set Compressor pump  Dimensions: 100x50x84cm  power 110/200 VAC 50/60 hz  1200VA  Anti fog device: 300W  Deposit can of 100mm (2 pcs), 83mm (3pcs) &amp; 53mm (2pcs) for used instruments.  Otoscope of 0°. 3mm diameter and 60mm length.  Compressor power 2.3 kgf/cm ±0.3kgf/cm<sup>2</sup> &amp; spray compressor flow should be 3ml/min</p>	<p>Technical Data &amp; Dimensions of the unit</p> <p>suction pump 800mg high power suction  3000 c.c. suction bottle 2 pcs  1/8 hp 1 set Compressor pump  Dimensions: 100x50x84cm  power 110/200 VAC 50/60 hz  1200VA  Anti fog device: 300W  Deposit can of 100mm (2 pcs), 83mm (3pcs) &amp; 53mm (2pcs) for used instruments.  Compressor power 2.3 kgf/cm ±0.3kgf/cm<sup>2</sup> &amp; spray compressor flow should be 3ml/min</p>
		<p>24</p> <p><u>Terms And Conditions</u>  -User's and Maintenance training to be provided on site.</p>	<p>Terms And Conditions  -User's and Maintenance training to be provided at company workshop for minimum seven days.</p>
7	Haemodialysis Machine	<p>4.7</p> <p>Shall have variable dialysate flow 300-800 ml/mint</p>	<p>Shall have variable dialysate flow 300-700 ml/mint</p>
		<p>4.19</p> <p>Shall have minimum 15 inch color TFT/LCD touch screen.</p>	<p>Shall have minimum 12 inch color TFT/LCD touch screen or more.</p>
		<p>4.26</p> <p>KT/V calculation should be available.</p>	<p>KT/V calculation or equivalent should be available</p>



8	Bioelectrical impedance body composition monitor	3.27	List of important spares parts and accessories with their part no and costing.	List of important spares parts and accessories with their part no and costing. Certification of manufacturer Guaranteeing the availability of all spare parts for next 10 (ten) year. The machine supplied should be brand new with the date of manufacture mentioned and the country of origin should be clearly mentioned.
		3.28	The successful tender shall be providing the operation program to end user	The successful tender shall be providing the operation program to end user. User (Operating) and Technical/Maintenance manuals to be supplied in English. Certificate of calibration and inspection from factory.
9	Automated dialyzer reprocessing Machine	3.6	Capacity: 2/1 Dialyzer reprocessing at once	Capacity: 2 Dialyzer reprocessing at once
		3.15	Most have touch screen with one button start function to start dialyzer reprocessing without the need to put data every time.	Point Remove from specification
		3.24	Blood Pump Speed 10-450 ml/minute	Point Remove from specification
		9.4	List of important spare parts and accessories with their part no and costing.	List of important spare parts and accessories with their part no and costing. Certification of manufacturer Guaranteeing the availability of all spare parts for next 10 (ten) year. The machine supplied should be brand new with the date of manufacture mentioned and the country of origin should be clearly mentioned.

10	Phaco Emulsification Machine	18	21G Phaco tip, Biconical, 15 degree reusable	20G Phaco tip, Biconical, 15 degree reusable
		19	20G silicon sleeve 2.2 – 2.5mm -3pcs	20G silicon sleeve 2.6 – 2.8mm - 3pcs
		21	21G I/A cannula, silicone sleeve, straight reusable	20G I/A cannula, silicone sleeve, straight reusable
		22	21G I/A cannula, silicone sleeve, angled reusable	20G I/A cannula, silicone sleeve, angled reusable
11	Orthopedic Power Drill	7	Hand piece cannulation - 4.4 mm diameter.	Hand piece cannulation
		12	Reciprocating saw attachment with variable speed 0 -15000 cpm.	The Hand piece should have protection rating of IPX6 and IPX8, Protection against water immersion.
		15	All the attachments should be fitted on single handpiece itself.	All the attachments should be fitted on hand piece itself.
		20	Should have DIN standard metal and wire basket sterilization container options.	Should have DIN standard metal and wire basket sterilization container
		22	3. A complete battery pack that must include <ul style="list-style-type: none"> <li>· Battery Pack – 2 pcs</li> <li>· Battery Housing – 2 pcs</li> <li>· Battery Shield – 2 pcs</li> <li>· Battery Charger – 1 pcs</li> </ul>	3. A complete battery pack that must include <ul style="list-style-type: none"> <li>· Battery Pack – 4 pcs</li> <li>· Battery Housing – 4 pcs</li> <li>· Battery Shield – 4 pcs</li> <li>· Battery Charger – 1 pcs</li> </ul> (Universal Charger with four charging bay)

		23	<p><u>Terms And Conditions</u></p> <p>-Must submit ISO 13485:2003/AC "2007 for Medical Device and CE (93/42 EEC Directives) or US FDA approve product Certificate.</p>	<p>Must submit ISO 13485: 2003/AC "2007 for Medical Device and CE (93/42 EEC Directives) and US FDA approve product Certificate.</p>
14	Radiation Protection Products		<p><u>Terms And Conditions</u></p> <p>-Certification of manufacturer Guaranteeing the availability of all spare parts for next 10(ten) year.</p>	<p>This point Remove from the specification</p>
16	Interferential Therapy Unit	1	<p><u>Machine Characteristics</u></p> <ul style="list-style-type: none"> <li>• The machine must have eight independent channels so that IFT is applicable to two persons at a same time.</li> <li>• Digital Treatment Timer : 0 to 99 Min.</li> <li>• Base Frequency : 0-150 Hz .</li> </ul>	<p><u>Machine Characteristics</u></p> <ul style="list-style-type: none"> <li>• The machine must have two channels, one channel should have four electrode.</li> <li>• Digital Treatment Timer : 30 sec to 60 Mins.</li> </ul>
17	Microwave therapy Unit	1	<p><u>Machine Characteristics</u></p> <ul style="list-style-type: none"> <li>• The machine must be a microwave therapy unit with two heads: one rounded and one rectangular.</li> </ul> <p><u>Additional Spares:</u></p> <ul style="list-style-type: none"> <li>• Electrode wires:</li> <li>• Self Adhesive Electrodes: 32 (Thirty two)</li> </ul>	<p><b>Additional Spares: not required</b></p>

19	Continuous Passive Mobilization (CPM) machine for lower limbs	<p><b>Machine Characteristics</b></p> <ul style="list-style-type: none"> <li>The machine must help to do Range of motion of knee joint along with adjustment of ankle and hip joints, with complete accessories .</li> <li>ROM Setting: 0-135 degrees of movement</li> </ul>	<ul style="list-style-type: none"> <li>The machine must help to do Range of motion of knee joint.</li> </ul>
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**कार्यार्थ एवं बोधार्थ:**

श्री प्रि-विड मिडिडमा सहभागी सम्पूर्ण आपूर्तिकर्ताहरु ।  
 श्री नेपाल प्रहरी अस्पताल, कम्प्युटर शाखा: यस अस्पतालको  
 Website मा राखिदिन हुन ।  
 श्री नेपाल प्रहरी अस्पताल, सूचना पाटी ।

मेडिकल डाइरेक्टर

(डा. दुर्गा थापा )

प्रा. प्रहरी अतिरिक्त महानिरीक्षक