



# ALL INDIA INSTITUTE OF MEDICAL SCIENCES, JODHPUR

**Addendum for**  
**Invitation of quotation**  
**for**  
**Supply of Equipments for Neonatology**  
**At**  
**All India Institute of Medical Sciences, Jodhpur**

Inquiry No.: : Admin/Gen/03-03/2023-AIIMS.JDH  
Inquiry Issue Date : 30<sup>th</sup> May, 2023  
Earlier Last Date of Submission : 05<sup>th</sup> June, 2023 at 03:00 PM.  
Revised Last Date of Submission : 12<sup>th</sup> June, 2023 at 03:00 PM.

**The following he following specifications also added:-**

S. No.	Particular	Specifications	Qty.
1.	Manual Foot Suction Pump	<ul style="list-style-type: none"><li>Type Foot operated</li><li>Operation Mode Manual</li><li>Compact, Light Weight, easy to handle and operate</li><li>Should not have any metal part in the entire foot suction Pump excepting screws</li><li>Should not require any electrical connection</li><li>Durable rubber bellows</li><li>Long lasting SS spring to provide friction free pumping</li><li>Autoclaveable polycarbonate vacuum jar with lid (500ml)</li><li>Scratch proof powder coated frame</li></ul>	08 Nos.
2.	Penguin Sucker	<ul style="list-style-type: none"><li>Shaped like a penguin</li><li>Reusable suction bulb intended for removal of fluids from a Newborn's nasal and oral cavities</li><li>Should have a certificate / Proprietary certificate regarding its use in new-borns</li></ul>	20 Nos.

		<ul style="list-style-type: none"> <li>• Suction Device should be made of one piece of silicone</li> <li>• Material used: Should be made of transparent Silicone for easy inspection</li> <li>• Should not contain latex</li> <li>• Suction strength: peak suction achieved may be in the range of 50 - 150 mmHg (70-200 cm H2O). Typically, 100 mm Hg [136 cm H2O].</li> <li>• Size: 13-15 x 5-7 x 4- 5 cm</li> <li>• Weight: 0.058-0.0 75 kg</li> <li>• Fluid capacity: 60-75 ml</li> <li>• Easy to clean and durable</li> <li>• Able to withstand at least hundreds of uses.</li> <li>• Should have a nozzle and head for sucking the baby's nose or mouth. Inner diameter (ID): 2.5 - 3.0 mm Outer diameter (OD): 4- 4.5 mm</li> <li>• Can be opened by bending the sucker's neck. The neck should open to enable access to the inside of the head and body for easy cleaning</li> <li>• Can sustain boiling in water for minimum 10 minutes *</li> <li>• Can also be disinfected by autoclaving or chemical disinfection also</li> </ul>	
3.	Ambu cuff pressure gauge	<ul style="list-style-type: none"> <li>• Endotracheal Tube Inflator and Manometer</li> <li>• Reusable Pressure Gauge used to inflate and monitor the pressure of laryngeal masks and endotracheal tubes in new-borns and young infants</li> <li>• Should have a dial with measuring zones calibrated in cm H2O for better viewing.</li> <li>• Mechanical pointer pressure gauge</li> <li>• Fitted with clip attachment for storage and quick access</li> <li>• Should have a detachable long flexible connecting tube</li> <li>• Standard luer connector</li> <li>• Should have Luer type connection that allows the manometer to be attached directly to the endotracheal tube or laryngeal mask.</li> <li>• Compatible with all ambu laryngeal masks</li> <li>• H2O Graded in cm from 0-120 cm H2O</li> <li>• Easy-to-use inflation bulb and release valve</li> <li>• Large dial for optimal display</li> <li>• Should be from any standard company</li> </ul>	01 Nos.
4.	Self Inflating Bag with its manometer	<ul style="list-style-type: none"> <li>• Upright Self Inflating Bag for new-born with reusable PEEP</li> <li>• <b>Upright New-born Bag-Mask</b> with Oxygen kit consisting of self-inflating New-born bag-mask intended for new-borns both preterm and term infants who require respiratory support and Oxygen Kit with each bag</li> <li>• Oxygen Kit should be supplied with <ul style="list-style-type: none"> <li>○ Oxygen reservoir bag</li> <li>○ Oxygen tubing</li> <li>○ Oxygen Adapter</li> </ul> </li> <li>○ Should have two reusable face mask sizes (1 and 0) for term and preterm new-borns with each bag Mask sizes 0 &amp; 1</li> <li>• Should be made of transparent materials that allow easy visual inspection of cleanliness and valve function.</li> <li>• Should compulsory have PEEP reusable valve</li> </ul>	05 Nos.

		<ul style="list-style-type: none"> <li>• General design requirements <ul style="list-style-type: none"> <li>○ Should be Upright and not horizontal</li> <li>○ Hard plastic components made of Polysulfone (PSU) and</li> <li>○ Soft plastic components made of Silicone rubber (SI)</li> </ul> </li> <li>• Spring of Stainless Steel</li> <li>• Dimensions <ul style="list-style-type: none"> <li>○ Total bag volume: 320 ml (+/- 50 ml is acceptable)</li> <li>○ Maximum deliverable volume: &gt; 150 ml</li> <li>○ Pressure-limiting valve: 30-40 cm H2O</li> <li>○ Dead space: 4 ml (water volume)</li> <li>○ Expiratory resistance: &lt;2.5 cm H2O at 5 LPM</li> <li>○ Inspiratory resistance: &lt;0.5 cm H2O at 5 LPM</li> </ul> </li> <li>• Should have a certificate / Proprietary certificate regarding its use in new-borns</li> <li>• Should with stand Steam autoclaving at 136 °C, 10-20 minutes and boiling in water for a minimum 10 minute</li> <li>• <b>Optional:</b> if a Pressure gauge or manometer can also be attached to measure the inspiratory pressure in cm of H2O to the self-inflating bag</li> </ul>																			
5.	Hygrometer	<table border="1"> <tr> <td>Body material</td> <td>Hard Plastic</td> </tr> <tr> <td>Power Source:</td> <td>AAA 1.5 V X 3</td> </tr> <tr> <td>Display Type:</td> <td>LCD</td> </tr> <tr> <td>Temperature Range:</td> <td>-20.0° to 60.0°C</td> </tr> <tr> <td>Gear Ratio</td> <td>0-100%</td> </tr> <tr> <td>Accuracy Class</td> <td>± 5% RH</td> </tr> <tr> <td>Type of Product:</td> <td>MINI HYGROMETER</td> </tr> <tr> <td>Humidity Range:</td> <td>0-100%</td> </tr> <tr> <td>Dimensions:</td> <td>138 (H)X 56(W) X 25(D) mm ( +/- 15 mm is acceptable )</td> </tr> </table>	Body material	Hard Plastic	Power Source:	AAA 1.5 V X 3	Display Type:	LCD	Temperature Range:	-20.0° to 60.0°C	Gear Ratio	0-100%	Accuracy Class	± 5% RH	Type of Product:	MINI HYGROMETER	Humidity Range:	0-100%	Dimensions:	138 (H)X 56(W) X 25(D) mm ( +/- 15 mm is acceptable )	10 Nos.
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6.	Room Thermometer	<ul style="list-style-type: none"> <li>• Wall Hanging room thermometer</li> <li>• Both Fahrenheit and Celsius scales</li> <li>• Wall hanging thermometer with hook for hanging</li> <li>• Should be both digital and analog with maximum and Minimum temperature with wide digital display</li> <li>• Body should be of weather resistant and rust proof</li> <li>• Upper Temperature RatingDegrees Celsius 70</li> <li>• Length 15-25 cm</li> <li>• Temperature range: -50°C~+70°C (-58°F~+158°F)</li> <li>• Temperature accuracy: ±°C (1.8°F)</li> <li>• Temperature resolution: 0.1°C (0.2°F)</li> </ul>	10 Nos.																		
7.	Neubauer Chamber	-	01 Nos.																		
8.	Digital Lux meter with calibration certificate	<p>It is a device used to measure luminance flux per unit are. In other words, it is a device used to measure the amount of light prevailing in a specific area</p> <table border="1"> <tr> <td>Applications</td> <td>Industrial, laboratories, clinic, lighting installation, indoor farming</td> </tr> <tr> <td>Features</td> <td>Portable, wide range, fast response, auto zero adjustment, low battery indicator and auto power off</td> </tr> <tr> <td>Measuring parameters</td> <td>Light</td> </tr> <tr> <td>Range</td> <td>0 to 2,00,000 Lux/FC: 0 to 20, 000</td> </tr> </table>	Applications	Industrial, laboratories, clinic, lighting installation, indoor farming	Features	Portable, wide range, fast response, auto zero adjustment, low battery indicator and auto power off	Measuring parameters	Light	Range	0 to 2,00,000 Lux/FC: 0 to 20, 000	01 Nos.										
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		Accuracy	+/- 5% of reading	
		Resolution	0.1 Lux	
		Display	LCD Display	
		Receiving light	Silicon of photo electricity diode	
		Battery	9V Battery	
		Weight	400 grams	
		Accessories	Instruction manual, soft carrying case	
		Dimension	Meter Body: 148 (H) X 70 (W) X 40 (D) mm, Photo detector: 82 (H) X 55 (W) X 7 (D) mm	
		Recommendation	HTC 102A Light lux Meter	
		Calibration certificate	Required	
9.	Digital Sound Level Meter	Should be Sturdy user friendly and high quality sound and noise meter for accurate measurement		01 Nos.
		<b>Features:-</b>		
		Range: 35 dB-130 dB	Requires no complicated setup procedure	
		Compliant with various noise at work regulations	Easy to handle design	
		<ul style="list-style-type: none"> <li>• Portable and Easy to use</li> <li>• Low battery indicator</li> <li>• Min Max level facility</li> <li>• Auto power off feature</li> </ul>		
		<b>Specifications:-</b>		
		Measuring level range	35dB – 130dB	
		Measure	Should measure A and C frequency weighting	
		Frequency range	31.5Hz – 8KHz	
		Resolution	0.1dB	
		Accuracy	±2dB	
		Sample Rate	2 times / sec	
		Measuring frequency	A frequency weighting & C frequency weighting	
		Response	S: for comparatively stable noise measurement F: for fast varying noise measurement	
		Display	LCD display with backlight	
		Measurements Lock	Maximum noise value lock	
		Accessories	Windscreen, battery, manual	
		Certifications	<ul style="list-style-type: none"> <li>• CE and other international standards</li> <li>• Certificate of latest calibration</li> <li>• Calibrated accurate condenser microphone with calibration certificate</li> </ul>	

**Deputy Director (Administration)**  
**AIIMS, Jodhpur**