

Siddhartha Children And Women Hospital

Butwal-7, Rupandehi

Technical Specification of Portable phototherapy.

S.N.	Purchaser's Specifications	Bidder's Compliance (Yes/No)	Reference Page No.	Remarks
	Portable phototherapy.			
	Manufacturer:			
	Brand:			
	Type / Model:			
	Country of Origin:			
1	Description of Function:			
	Phototherapy treatment provided in the NICU offers blue LED light source for the newborn having hyper bilirubin (jaundice). Blue light helps in reducing the bilirubin levels in babies that are unable to break down the excess bilirubin in their body. The LED light is provided while the infants are placed in a Bassinet incubator unit or radiant warmer.			
1.1	More than twenty-four (24) numbers of high-power blue LED bulbs and three to four white LED bulb.			
1.2	At least 450 nm wavelength spectrum.			
1.3	> 45 microwave/cm square/nm irradiance at 30cm distance.			
1.4	No infrared rays ensure that they minimize the water loss.			
1.5	Twenty thousand hours of lamp usage.			
1.6	Height adjustable source unit to control irradiance level.			
1.7	Tri color LED indicator for lamp usage status.			
1.8	Strong MS base ensures more support.			
1.9	High and low setting intensity adjustment.			
1.10	Auto cut-off when elapsing the set treatment time.			
3	Standards and safety requirement			
3.1	Must submit ISO13485:2016 for Medical Devices AND			
3.2	It must have CE Quality Management System Certificate			
3.3	Shall meet IEC-60601-1-2:2007/AC: 2010 General Requirements of Safety for Electromagnetic Compatibility.			
4	Installation and Commissioning & User Training			
4.1	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.			
4.2	During the warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/breakdown maintenance whenever required.			
5	Warranty & Maintenance Service During Warranty Period			
5.1	Comprehensive warranty (Software, hardware/ parts maintenance labor cost etc.) for more than 2 years warranty after installation.			
5.2	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.			
6	Authorization			
6.1	Manufacturer's Authorization or local Distributor Authorization (Manufacturer's Authorization to the main Distributor is also required in case of Local Authorization).			
6.2	Certificate of calibration and inspection from factory.			
7	Documentation			
7.1	<ul style="list-style-type: none"> ● User (Operating) manual in English. ● Service (Technical/Maintenance) manual in English. ● List of important spare parts and accessories with their numbers and cost. ● Shall accomplish all the qualification criteria of the bidder mentioned in the main bid document. 			