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Corrigendum-II

Bihar Medical Services and Infrastructure Corporation Limited (BMSICL) had invited E-Bids from the interested parties for Procurement, Rate contract, Supply, Installation of Medical Equipment vide Tender No.-BMSICL/2025-26/ME-423. During and after Pre-bid meeting various suggestions were received from different prospective bidders regarding amendment in technical specification of equipment which were discussed and deliberated on by the experts. On the basis of their recommendations certain amendments in the technical specification of the equipment have been made which are annexed as **Annexure-I** of this corrigendum.

Sd/-
GM (Procurement)

Annexure-I		
Name of Equipment:- Oxygen Concentrator (5Litre)		
Sl. No	Technical Specification as per tender	Final Amendment
1	Oxygen concentrator to provide oxygen from ambient air	No Change
2	Oxygen concentration measured at the flow meter by oxygen sensing device (OSD)	No Change
3	Sound level <50 dB	No Change
4	Superior grade of molecular sieve	No Change
5	Maintenance free valve.	No Change
6	Oxygen purity, approx.: 90%. (+/-3)	Oxygen purity, approx.: 95%. (+/-3%)
7	Oxygen output, approx.: 0 - 5 LPM	No Change
8	Pressure, approx.: 8 psi	No Change
9	Double/ Single outlet for oxygen Delivery	No Change
10	Oxygen tube of 2 m length must be provided with	No Change
11	Facility for nebulization with tube & mask	No Change
12	With one humidifier bottles and one cabinet filters	No Change
13	Unit should function with 200-240Vac, 50/60 Hz input power supply	No Change
14	Should have USFDA/European CE (Issued by notified body)/BIS	1. Should have USFDA/European CE (Issued by notified body)/BIS 2. Manufacturer or Distributor should have CDSCO Certificate
	Added Point	Should have a separate nebulizer port.
Name of Equipment:- - Oxygen Concentrator (10 Litre)		
Sl. No	Technical Specification as per tender	Final Amendment
1	Oxygen concentrator to provide oxygen from ambient air	No Change
2	Oxygen concentration measured at the flow meter by oxygen sensing device (OSD)	No Change
3	Sound level < 50 dB	No Change
4	Superior grade of molecular sieve	No Change
5	Maintenance free valve.	No Change
6	Oxygen purity, approx.: 95% (+/-3)	Oxygen purity, approx.: 95%. (+/-3%)
7	Oxygen output, approx.: 0 - 10 LPM	No Change
8	Pressure, approx.: 8 psi	No Change
9	Double/ Single outlet for oxygen Delivery	No Change
10	Oxygen tube of 2 m length must be provided with	No Change

11	Facility for nebulization with tube & mask	No Change
12	With one humidifier bottles and one cabinet filters	No Change
13	Unit should function with 200-240Vac, 50/60 Hz input power supply	No Change
14	Should have USFDA/European CE (Issued by notified body) /BIS	1. Should have USFDA/European CE (Issued by notified body)/BIS 2. Manufacturer or Distributor should have CDSCO Certificate
	Added Point	Should have a separate nebulizer port.
Name of Equipment:- Suction Machine- Foot Operated		
Sl. No	Technical Specification as per tender	Final Amendment
1	0 to - 600 mmHg +-10mm regulable, flutter free, vacuum control knob	No Change
2	Setting should be manual.	No Change
3	Accessories & spare parts- collection bottles, clear unbreakable jar (one set extra)	No Change
4	Consumables / reagents - (open, closed system) silicon tubing - two sets	No Change
5	Certificate – ISO 13485 (NABCB accredited)	No Change
Name of Equipment:- Proctoscope- Adult		
Sl. No	Technical Specification as per tender	Final Amendment
1	Proctoscope adult size Reusable, stainless steel with inbuilt illumination unit	Proctoscope adult size Reusable, stainless steel.
2	Manufacturer should have ISO 13485 (NABCB) Accredited/ BIS approved product	Manufacturer should have ISO 13485 Accredited/ BIS approved product
Name of Equipment:- - Proctoscope- Child		
Sl. No	Technical Specification as per tender	Final Amendment
1	Proctoscope Pediatric Reusable, stainless steel with inbuilt illumination unit	Proctoscope Paediatric Reusable, stainless steel.
2	Manufacturer should have ISO 13485 (NABCB) Accredited/ BIS approved product	Manufacturer should have ISO 13485 Accredited/ BIS approved product
Name of Equipment:- Ultrasonic Nebulizer		
Sl. No	Technical Specification as per tender	Final Amendment
a.	Should be light weight, portable, Compact and easy to use.	No Change

b.	Frequency of ultrasonic generator should be greater than 2.5 MHz	No Change
c.	Should have 3 speed nebulization rate control (minimum, medium, maximum)	No Change
d.	Should have a nebulization capacity of 0.3 ml/min.	No Change
e.	Transducer element should have life of at least 5000 hours	No Change
f.	Medication cup capacity should have capacity of maximum 8ml.	No Change
g.	Should uses water as ultrasonic conduction medium, no gel is required.	No Change
g.	Should provide silent operation.	No Change
i	Should have a built-in timer.	No Change
j	Should works on 200-240 VAC / 50 Hz.	No Change
k	Should be provided with a complete nebulization kit of 10 Nos. including adult and child mask and medication cup – 5 Nos.	No Change
1	Should be US FDA/European CE (Issued by Notified body)/BIS approved model	No Change
Name of Equipment:- Nebulizer		
Sl. No	Technical Specification as per tender	Final Amendment
1	The quoted model should be USFDA /EU-CE/BIS/ISO 13485 and accredited by NABCB	No Change
2	The quoted medical device must be registered under CDSCO and submit the license for manufacture to sale or distribute the medical device. If not registered, the acknowledgment copy of the online application for the said registration must be uploaded in the bid.	No Change
3	Compact, lightweight, low noise	No Change
4	Durable long-life compressor. Suitable for heavy duty/ institutional (hospital) use, should be able to run uninterruptedly for one hour, Max Press= 2.0-2.5 bars.	No Change
5	Should produce particle of size 1-5 micron.	No Change
6	Medication capacity should be 8 ML $\pm$ 2ml	No Change
7	Operating Temp/Humidity should be -10-degree c to +50-degree c, 30% to 95% relative humidity Maximum.	No Change
8	Material of the cabinet should be ABS plastic.	No Change
9	Piston-type electric aspirator that offers high performance and great durability.	No Change
10	Protective thermal cut out relay.	No Change
11	Air delivery rate app 5 L/min.	No Change
12	Noise level should be 20 dB or less.	Noise level should be 50 dB or less.
13	Maximum pressure should be 100 kpa.	No Change
14	Nebulizing rate should be 1.0 ml $\leq$ ML/min.	No Change
15	Power input to be 220-240VAC, 50Hz fitted with Indian plug.	No Change
16	Accessories to be supplied with the machine:	No Change

i	“Face mask with Nebulization kit and Tubing” for Adult, Pediatric and Infant patient -1 number each	No Change
Name of Equipment:- Laryngoscope Adult		
Sl. No	Technical Specification as per tender	Final Amendment
	Product Quality standard certification:	
1	The quoted model should be either “USFDA approved (Device listed with registration under valid FEI number /CFG)” or “European CE certified”. The EUROPEAN-CE certificate should be issued from notified body having notified body number. Manufacturer Quality standard certification/CE Certified.	No Change
2	The manufacturer of the quoted product should have EN ISO 13485 certificate issued from a notified body or ICMED 13485 (with or without plus) certificate issued from certification bodies accredited by NABCB or ISO 13485 certificate issued from certification bodies accredited by NABCB/Nationally Recognized Accreditation Board under IAF MLA.	No Change
3	The manufacturer should be certified to the standard ISO 7376:2009 or Latest.	No Change
4	The quoted medical device must be registered under CDSCO and submit the license for manufacture to sale or distribute the medical device. If not registered, the acknowledgment copy of the online application for the said registration must be uploaded in the bid.	No Change
1	Fiber optic Laryngoscope should comprise of excellent ribbed grip Stainless steel handle and light source using the latest LED technology.	No Change
2	The main body of the handle should incorporate an excellent ribbed grip.	No Change
3	There should be a freely moving light from the light source through to the tip of the fiber optic blade to prevent any possibility of cross contamination.	No Change
4	The unit should allow the blade to be inserted easily & should provide a positive locking mechanism when moved in to the closed position.	No Change
5	The patient contact material should be biocompatible.	No Change
6	User Interface-Manual	No Change
	CONFIGURATION:	No Change
1	Light weight, handheld unit, single piece when in use	No Change
2	External material of handle should be stainless steel.	No Change
3	Blades to be surgical grade stainless steel of sizes Neonatal - Straight (00&0), Pediatric -Curved (1&2) Adult (Curved)-3&4, Adult Flexi Tip-3&4.	No Change
4	Storage box should be provided (to be supplied in protective, reclosable container) Power Requirements-Battery operated (Internal batteries or rechargeable batteries)	No Change
Name of Equipment:- Laryngoscope Paediatric		
Sl. No	Technical Specification as per tender	Final Amendment

	Product Quality standard certification:	
1	The quoted model should be either “USFDA approved (Device listed with registration under valid FEI number /CFG)” or “European CE certified”. The EUROPEAN-CE certificate should be issued from notified body having notified body number. Manufacturer Quality standard certification/CE Certified.	No Change
2	The manufacturer of the quoted product should have EN ISO 13485 certificate issued from a notified body or ICMED 13485 (with or without plus) certificate issued from certification bodies accredited by NABCB or ISO 13485 certificate issued from certification bodies accredited by NABCB/Nationally Recognized Accreditation Board under IAF MLA.	No Change
3	The manufacturer should be certified to the standard ISO 7376:2009 or Latest.	No Change
4	The quoted medical device must be registered under CDSCO and submit the license for manufacture to sale or distribute the medical device. If not registered, the acknowledgment copy of the online application for the said registration must be uploaded in the bid.	No Change
1	Fiber optic Laryngoscope should comprise of excellent ribbed grip Stainless steel handle and light source using the latest LED technology.	No Change
2	The main body of the handle should incorporate an excellent ribbed grip.	No Change
3	There should be a freely moving light from the light source through to the tip of the fiber optic blade to prevent any possibility of cross contamination.	No Change
4	The unit should allow the blade to be inserted easily & should provide a positive locking mechanism when moved in to the closed position.	No Change
5	The patient contact material should be biocompatible.	No Change
6	User Interface-Manual	No Change
	CONFIGURATION:	
1	Light weight, handheld unit, single piece when in use	No Change
2	External material of handle should be stainless steel.	No Change
3	Blades to be surgical grade stainless steel of sizes Neonatal - Straight (00&0), Pediatric -Curved (1&2) Adult (Curved)-3&4, Adult Flexi Tip-3&4.	Blades to be surgical grade stainless steel of sizes Neonatal - Straight (00&0), Pediatric -Curved (1&2) Adult (Curved)-3&4,
4	Storage box should be provided (to be supplied in protective, reclosable container) ENERGY SOURCE: Power Requirements- Battery operated (Internal batteries or rechargeable batteries)	No Change
Name of Equipment:- Tourniquet- Adult		
Sl. No	Technical Specification as per tender	Final Amendment

1	Automatic Tourniquet System should be dual-port, dual- cuff system with microprocessor controls and dedicated ports for supplying and measuring pressure independently, so that it can be used for bilateral joint replacement procedures. With the innovative Limb Occlusion Pressure (LOP) feature. The tourniquet should combine the latest in advanced tourniquet technology with the well-established tradition of safety, reliability and convenience.	No Change
2	It should have the following Features: -	No Change
2.1	Ability to provide a specific Recommended Tourniquet Pressure (RTP) for each patient based on physiological characteristics	No Change
2.2	Limb occlusion pressure (LOP) feature	No Change
2.3	Dual Cuffs: Dual port, color coded	No Change
2.4	Dual Displays	No Change
2.5	Should use ambient air	No Change
2.6	Microprocessor Controlled	No Change
2.7	Self-check calibration	No Change
2.8	Audible and visual alarms	No Change
2.9	Internal pump for fast Inflation time	No Change
2.10	Positive locking connectors	No Change
2.11	Should automatically checks the accuracy of machine calibration every time the system is powered up.	No Change
2.12	Should alert the user of the cuff status when attempt is made to power down the machine	No Change
2.13	Cuff Lockout safety Feature	No Change
2.14	Dual compressors to allow for independent control over cuffs “one” and cuff “two”, addressing the potential physiological differences in the patient.	No Change
2.15	Dedicated pressure line and pressure measurement line for cuff “one” and cuff “two”, which should be designed to provide most accurate readings.	No Change
2.16	Utilization of two independent cuffs during one surgical procedure to allow bilateral knee procedures.	No Change
2.17	Battery backup of 04(Four) hrs., so that it can be used during patient transport and to be used during a power failure. No interruption in the procedure while the cuff is inflated- Automatically transfers power to the battery.	No Change
2.18	Should sense, calculate and report the cuff pressure necessary to achieve complete blood occlusion in the operative limb.	No Change
2.19	USFDA/European CE (Issued by notified body) /BIS approved model should be offered	No Change
Name of Equipment:- Tourniquet- Child		
Sl. No	Technical Specification as per tender	Final Amendment
1	Should be European CE (Issued by Notified body) or USFDA certified.	No Change

2	Fabric single cuffs with silicon with bladder having length of bladder equivalent to 0 complete cuff/durable, latex-free sterile cuffs.	No Change
3	Washable at 60 C All Cuffs supplied with male coupling to fit.	No Change
4	05 different paediatric size cuff Should be provided	No Change
5	Control Micro computerized cuff pressure Control	No Change
6	Inflation Air Source Internal Air Compressor	No Change
7	Cuff Pressure Adjustable 100 to 450 mmHg.	No Change
8	Pre-set resolution 10 mm Hg	No Change
9	Accuracy Max. + 5%	No Change
10	Display – 3 digit – pre –selected pressure.	No Change
11	3 digit-Clock- Elapsed time	No Change
12	Different colour LED for Inflate & Deflate	No Change
13	Push Button Functions Preset pressure for each separately,	No Change
14	Inflate/Deflate-cuffs 1 & 2,	No Change
15	Deflate – cuff 1 & 2	No Change
Name of Equipment:- Oxygen cylinder Type D		
Sl. No	Technical Specification as per tender	Final Amendment
1	D Oxygen Bulk Cylinder ISI marked to IS 7285(Part-2):2004 and Colour code should be as per IS:3933 and conforming to ISO 32:1977 applicable for Medical Gas cylinders duly approved from CCOE Nagpur.	No Change
2	The cylinder shall be fitted with valve & valve guard having following broad specifications:	No Change
i	Dimensions: 232 mm O.D x 1365 mm length.	No Change
ii	Capacity Minimum: 6.7 Cubic meter Gas capacity. : 46.7 liters Water capacity	No Change
iii	Minimum Wall thickness = 5.2 mm.	No Change
iv	Working pressure at 15°C = 150 kgf/cm ² .	No Change
v	Test pressure = 250 kgf/cm ² .	No Change
vi	Nominal Tare Weight = 51.00 kg with Neckning.	No Change
vii	Neck Threading: IS3224 1979.	No Change
Name of Equipment:- Oxygen Cylinder Type B with all accessories (with flow meter/tubing/catheter/ face mask/nasal prongs)		
Sl. No	Technical Specification as per tender	Final Amendment
1	B Type Supply of Oxygen Bulk Cylinder ISI marked to IS 7285(Part-2):2004 and Colour code.	No Change
2	Should be as per IS:3933 and conforming to ISO 32 : 1977 applicable for Medical Gas & cylinders duly approved from CCOE Nagpur.	No Change
3	The cylinder shall be fitted with valve & valve guard having following broad specifications:	No Change
I	Dimensions: 140 mm O.D x 855 mm length.	No Change

II	Capacity Minimum : 1.53Cu.m. Gas capacity. : 10.2 liters Water capacity	No Change
III	Minimum Wall thickness = 4.2 mm.	No Change
IV	Working pressure at 15°C = 150 kgf/cm ² .	No Change
V	Test pressure = 250 kgf/cm ² .	No Change
VI	Nominal Tare Weight = 14.9 kg with Neckning.	No Change
VII	Neck Threading: IS3224 1979	No Change