



NEIGRIHMS

North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences
(An Autonomous Institute, Ministry of Health and Family Welfare, Government of India)
Directors Block Mawdiangdiang, Shillong, Meghalaya-793018

F.No:NEIGR/S&P/M - 08/2021-22

Notification of Award No:NEIGR/S&P/OT/G - 1065/2023-24/GEMC-511687720533054

PO ID:PO03240011 / Approved Date:14-03-2024

Date 13-03-2024

Indent-No: IN03240011

To

M/s Biosis Medical Services ,
House no-96,By lane no4,B. K.Kakoti Road
,Ullubari,Ghy-08, Tel:9706080206,
biosismedical@gmail.com

Principal:

M/s CAE Healthcare ,
6300 Edgelake Drive, Sarasota , FL 34240,
USA, Tel:+1941-377-5562,
cae@health.com

Sub: Award for Supply,Installation, Commissioning and Testing of Stores/Items required for Setting up or Complete Skill Lab Setup with 5 years warranty and thereafter 5 year CMC for department / section of Medical College.

Reference:

- Tender Enquiry No: GEM/2023/B/3531808
- Offer No: NA
- Price Justification No:30-416/EM/TC/17-18/FSC, Dated - 28/03/2018, Admn/Gen/05/2021/AIIMS - JDH/1007, Dated 23/04/2021, GEMC - 511687730999164, Dated - 07/06/2022, 08-EE - PRJ - 264/2021-22, Dated12/04/2022
- Price Discount Letter No:Discounted on GEM
- PO Remarks:Approval of MOHFW, Govt Of India, vide communication No - F No : U - 12012/46/2022 - NE, Dated 05/12/2023, Approved in the Meeting of the 42nd Standing Finance Committee (SFC) for NEIGRIHMS held on 23rd August 2023, vide Agenda No - C - 5 / 42,,and Approved in the Meeting of the 69th Procurement Committee for NEIGRIHMS held on 1st/2nd of September 2023, vide Agenda No - C - 21 / 69,

This Order/Memorandum issues with concurrence of Finance Branch vide their UO No C - 1016/2023-24 Dated 13-12-2023

Dear Sir/Madam,

With reference to Tender Enquiry No: **GEM/2023/B/3531808** and your Bid/Offer **NA** in response an order is hereby placed on you for the complete turnkey contract of supply, transportation, installation, commissioning, provision of technical assistance, after sales service, maintenance service and other such obligations of the tenderer, training at bidders cost and demonstration of Medical equipment at this Institute, as per details indicated herein.

This order which is intended for the supply of the store detailed in the scheduled below, in accordance with the terms & conditions of NEIGRIHMS /Government of India and in the manner specified herein, shall operate to create a specific contract between the contractor (with whom the contract referred to and the requisition are placed) on one part and NEIGRIHMS, Shillong, on the other part.

Sl.	Description Of Goods	Unit	Rate Per Unit	Total Amount on(DDP at Consignee Site)
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PO03240011 / NEIGR/S&P/OT/G - 1065/2023-24/GEMC-511687720533054

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No				
1	Setting up Skill Lab (Make:CAE Healthcare ,Model:Skill Lab)			
	FOB Price/Ex-factory at Port /Airport of Loading	1nos	₹ 42,767,857.14	₹ 42,767,857.14
	Goods & Service Tax (GST)		₹ 5,132,142.86	₹ 5,132,142.86
	Total Price for NEIGRIHMS rate with 5 years warranty period			₹ 47,900,000.00

In words: INR Four Crore Seventy Nine Lakhs Rupees Zero Paise

Total Price for inclusive delivered free (F.O.R) at Central stores / Department at NEIGRIHMS. Mawdiangdiang, Shillong - 793018 including loading, unloading, handling, transportation, weighbridge and other unforeseen charges.

Tenderer/ Vendors/ Contractor should note that the following terms and conditions will apply specifically in addition to the Rules and the Regulation as applicable to such purchases in the Government of India.

Warranty:

The Tenderer warrants comprehensively that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by the purchaser in the contract. The Tenderer further warrants that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per the purchaser's specifications) or workmanship or from any act or omission of the Tenderer, that may develop under normal use of the supplied goods under the conditions prevailing in India.

This warranty shall remain valid for the period mentioned above, after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser in terms of the contract , unless specified otherwise in the SCC.

Upon receipt of such notice from the purchaser, the Tenderer shall, within 8 hours on a 24 (hrs) X 7 (days) X 365 (days) basis, repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The Tenderer shall take over the replaced parts/goods after providing their replacements and no claim, whatsoever shall lie on the purchaser for such replaced parts/goods thereafter. In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the same warranty for the rectified /replaced goods shall be applicable from the date such rectified / replaced goods starts functioning to the satisfaction of the purchaser.

The tender / Manufacturer /OEM has provide minimum two mandatory Periodic Preventive mentainance in a year throughout the contract period failing which action will be initiated according to terms & condition of the tender, including forfeiture of the performance bank guarantee.

Comprehensive Maintenance Contract (CMC):

The Purchaser/Consignee reserves the rights to enter into Annual Comprehensive Maintenance Contract (CMC) between Consignee and the Tenderer for the period after the completion of warranty period.

The consignee will enter into CMC with the Tenderer at the rates as stipulated in the contract. The payment of CMC will be made on six monthly basis after satisfactory completion of said period, duly certified by the consignee on receipt of bank guarantee for an amount equivalent to 3 % of the CMC value in the prescribed format given in Section XV valid till 2 months after expiry of entire CMC period.

During 'CMC period, the Tenderer shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The Tenderer shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.

The payment of Annual CMC will be made against the bills raised to the consignee by the Tenderer on six monthly basis after satisfactory completion of said period, duly certified by the HOD concerned /Competent Authority and on receipt of Bank Guarantee for an amount equivalent to 3 % of the CMC value valid till 2 months after expiry of entire CMC period. The payment will be made in Indian Rupees.

The tender / Manufacturer /OEM has provide minimum two mandatory Periodic Preventive mentainance in a year throughout the contract period failing which action will be initiated according to terms & condition of the tender, including forfeiture of the performance bank guarantee.

CMC Equipment Cost:

S.no	Contract period	Units	Price Per Unit	Total Cost (Exclusive of GST)
1	Setting up Skill Lab (Make: CAE Healthcare ,Model:Skill Lab)			
	6th year	1	₹ 1,623,728.81	₹ 1,623,728.81
	7th year	1	₹ 1,623,728.81	₹ 1,623,728.81
	8th year	1	₹ 1,623,728.81	₹ 1,623,728.81
	9th year	1	₹ 1,623,728.81	₹ 1,623,728.81
	10th year	1	₹ 1,623,728.81	₹ 1,623,728.81

Delivery Schedule(Supply, Instalation, Testing, Commisioning with turnkey works):

For Indigenous goods or for imported goods if supplied from India: 95 days from date of Notification of Award to delivery at consignee site. (Tenderers may quote earliest delivery period).

For Imported goods directly from foreign:

SITC with 17/06/23

FOB Contracts- 95 days from the date of opening of L/C. The date of delivery will be the date of Bill of Lading or Airway Bill (Tenderers may quote the earliest delivery period).

SITC with 17/06/23

DDP Contracts: 95 days from the date of opening of L/C. The date of delivery will be the date of receipt by the consignee as in Consignee Receipt Certificate (Tenderers may quote the earliest delivery period).

SITC with 17/06/23

Subject to the stipulation, if any, in the bidding document, the Tenderer shall be required to perform the services viz. Installation, commissioning, supervision, demonstration, complete turnkey works, providing required jigs and tools for assembling, Civil works required for the completion of the installation, training of Consignee's Doctors, Staff, operators, etc for operating and maintaining the goods, supplying the required number of operation & maintenance manual for the goods

Liquidated Damages:

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If the Tenderer fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, the purchaser shall, without prejudice to other rights and remedies available to the purchaser under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to a maximum of 10% of the contract price. Once the maximum is reached, purchaser may consider termination of the contract as per GCC 24. During the above-mentioned delayed period of supply and/or performance, the conditions incorporated under GCC sub-clause 22.4 above shall also apply. Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of GCC.

Performance Security:

Within thirty (30) days from date of the issue of Notification of Award by the purchaser, the Tenderer, shall furnish Performance Security to the purchaser for an amount equal to three percent (3%) of the total value of the contract, valid for a period of sixty days (60) beyond the date of completion of all contractual obligations including the warranty obligations. In the event of any failure /default of the tenderer with or without any quantifiable loss to the government including furnishing of consignee wise Bank Guarantee for CMC security, the amount of the performance security is liable to be forfeited

Performance Security may be furnished in the form of an Account Payee, Demand Draft, Fixed Deposit Receipt / Bank Guarantee from a Commercial Bank. Bid security should be refunded to the successful bidder on receipt of Performance Security.

Bidder /Tenderer are also required to sign the rate contract agreement, within 21 (twenty one) days from the issue of the notification of award, failing which EMD /Bid Security shall be forfeited.

Payment:

Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of GCC. Payment for domestic goods shall be made in Indian rupees as specified in the GCC clause 21.1. For Imported goods, 90% of the net FOB /CIF price (less Indian Agency Commission) as the case may be, through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country and remaining as per the terms & conditions indicated in GCC clause 21.

Corrupt or Fraudulent Practices /Code of Integrity:

It is required by all concerned namely the Consignee/Tenderers/Suppliers etc to observe the highest standard of ethics during the procurement and execution of such contracts and to abide by the Code of Integrity Act, as per GFR 2017. In pursuance of this policy, the Purchaser: - defines, for the purposes of this provision, the terms set forth below as follows: "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition; Will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question; Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract by the purchaser if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for or in executing the contract

Settlement of Disputes

If there is any dispute or differences, the same may be referred to Director, NEIGRIHMS. Director, NEIGRIHMS or his authorized representative shall be the final authority in all disputes and decision taken by the authority will be binding on all concerned. Therefore, the jurisdiction in respect of settlement of disputes in Stores & Civil contracts shall be as per the Commercial Courts, Commercial Division and Commercial Appellate Division of High Courts (Amendment) Ordinance 2018, wherein the provision for pre-institution mediation, has been made mandatory in respective cases by the parties to the disputes.

Name of the Consignee:

Director, North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences, Mawdiangdiang, Shillong -793018 (Meghalaya), INDIA

All other terms & conditions are as per Tender Enquiry No / Offer No.: GEM/2023/B/3531808 / NA

(Kindly refer to the tender /bid document for all required Annexures /Proforma/Forms)

Validated By,
harendra dey
14-03-2024 11:02:34

Yours faithfully,


Stores & Procurement Officer,

For and on behalf of Director, NEIGRIHMS, Shillong

Copy to:

Indenting Officer /Inspection authority- Head /Incharge, Department / Section of Medical College
Central /Ancillary Store
Biomedical Engineer
Purchase Order Master / Relevant File
Stores Section Record

① Dr. Xlean Tefura
② Dr. Y. L. Singh
③ Dr. A. C. / B. C. / A. S. - H. K. K. K.
④ Dr. A. C. / B. C. / A. S. - H. K. K. K.
⑤ Dr. A. C. / B. C. / A. S. - H. K. K. K.
⑥ Dr. A. C. / B. C. / A. S. - H. K. K. K.

Enclosed:

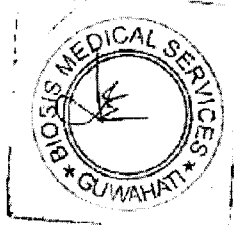
- Annexure : Tender Form (Section -X)
- Annexure : Manufacturer's Authorization /Acceptance Letter
- Annexure : Details and Cost of Consumables /Reagents /Accessories
- Annexure : Others





TECHNICAL COMPLIANCE
TENDER NO. GEM/2023/8/3531808 DATED 05.06.2023

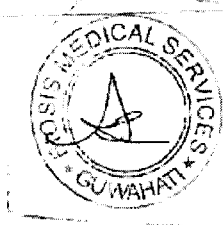
Sf. No.	Name of the Equipment	Specification	Required Specification Comply or Deviate (If Any)	If YES: How the quoted specifications is superior or inferior to the quoted specifications
1	All-purpose Adult patient care simulator	<ul style="list-style-type: none"> Should have contemporary aesthetic, easy to use, true to life, wireless and tether less manikin Should have two platforms in one (easy to convert from female to male) for teaching and training nursing students. 	Comply , NO Deviation	
		Manikin must have the following Clinical Skills Features: -	Comply , NO Deviation	
		Anatomically accurate landmarks for realistic clinical skills practice	Comply , NO Deviation	
		Realistic articulation to promote proper patient handling	Comply , NO Deviation	
		Eyes and ears accommodate irrigation procedures or medication administration with real fluids	Comply , NO Deviation	
		Open pliable nares allowing for nasal packing, insertion of nasopharyngeal airways, Nasal cannula and NGT placement	Comply , NO Deviation	
		Open mouth allows for realistic oral and denture care, placement, securing and care of oral airways, endotracheal tubes and gastric feeding tubes	Comply , NO Deviation	
		Realistic tracheostomy site allows for tracheostomy care and procedural suctioning with real fluids	Comply , NO Deviation	
		Chest tube port for care and maintenance	Comply , NO Deviation	
		Accommodates oxygen delivery methods with realistic chest rise with use of BVM	Comply , NO Deviation	
		Gastric lavage and suction with real fluids	Comply , NO Deviation	
		Pulses include manually generated carotid pulse, electronically generated brachial and radial pulses	Comply , NO Deviation	
		Subclavian hole for placement of triple lumen catheter for care (without fluid administration)	Comply , NO Deviation	
		Pericardial stoma for vascular care and irrigation	Comply , NO Deviation	
		Urinary catheterization with real fluid return	Comply , NO Deviation	
		Enema procedures capable with real fluids	Comply , NO Deviation	
		IM injections and medication administration via deltoid, gluteal and vastus lateralis muscles	Comply , NO Deviation	
		Articulating, easy-to-maintain, IV arm with replaceable IV pads allowing for IV placement, site care and fluid administration	Comply , NO Deviation	
		4. Simulator should be designed in such a way that it can sit upright at his/her own to perform realistic examination as in case of a real patient.	Comply , NO Deviation	
		5. It should have facility to fill and drain all fluids externally without need of opening any part to refill fluids to make it ready for next training.	Comply , NO Deviation	
		6. Conversion Kit from Female to Male.	Comply , NO Deviation	
		Modules: Breast gland examination, Fundus assessment module, Pelvic exam module, Interchangeable wound care, Module trauma care, Suturing module	Comply , NO Deviation	
2	All-purpose paediatric patients care simulator	<ul style="list-style-type: none"> Should have realistic anatomy and landmarks: mouth, tongue, oral pharynx, epiglottis, arytenoids, vocal cords, trachea, and esophagus. 	Comply , NO Deviation	
		The Simulator should have the following Key Features:	Comply , NO Deviation	
		Airway management -compatible airway management devices include E.T., E.O.A., P.T.L., L.M.A., E.G.T.A., and Combitube® Insertion	Comply , NO Deviation	
		Blood pressure arm -systolic and diastolic levels, heart rate, and sound volume	Comply , NO Deviation	
		Defibrillation chest skin -compatible with all standard brands and types of defibrillators, monitors, and patient simulators	Comply , NO Deviation	
		Femoral access -articulated leg requiring proper positioning, palpable arterial pulse (manual)	Comply , NO Deviation	



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		<ul style="list-style-type: none"> Intraosseous infusion - palpable landmarks such as the patella, tibia, and tibial tuberosity 	Comply , NO Deviation	
		<ul style="list-style-type: none"> IV arm - articulated at the biceps for antecubital and dorsal access 	Comply , NO Deviation	
		<ul style="list-style-type: none"> CPR - Fully Articulated head, neck, and jaw 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Palpable carotid pulse (manual) 	Comply , NO Deviation	
3	Adult Lumbar Puncture Simulator	<ul style="list-style-type: none"> Model should be an excellent training platform for lumbar puncture, lumbar epidural, and cervical epidural procedures. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should be excellent for blind insertion techniques or using ultrasound for guided lumbar puncture and spinal epidural procedures 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have needle access as well as the placement of catheters 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Model can be positioned in the upright or lateral decubitus position allowing users to accurately position the model for appropriate training scenarios 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Model's external landmarks as the iliac crests can be palpated to initially orient the user to the proper access points 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Palpation of the spinous processes should provide additional landmarks 	Comply , NO Deviation	
		<ul style="list-style-type: none"> In the model each spine tissue module should have realism and contains the appropriate spinal segment, skin tissue, ligamentum flavum, epidural space, dura, subarachnoid membrane, and subarachnoid space containing cerebral spinal fluid 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should be able to utilize for full procedural training including injecting local anaesthetics, introduce the needle to the epidural space and/or subarachnoid space, thread catheters, infuse simulated anaesthetics, and obtain manometer measurements 	Comply , NO Deviation	
		<ul style="list-style-type: none"> The cerebral spinal fluid pressures can be easily increased in order to simulate pathological scenarios during lumbar puncture procedures 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Ultrasound can be used for identification of the optimal insertion points, angle of needle insertion, and determination of the depth to the ligamentum flavum, epidural space, and spinal cistern 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have durable self-healing tissue 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Soft part should be capable of at least 1000 procedures/pricks 	Comply , NO Deviation	
4	Knee for Injection & aspiration	<ul style="list-style-type: none"> Model should be excellent for training clinicians in the psychomotor skills associated with ultrasound guided or blind insertion of knee injections and aspirations associated with osteoarthritis and rheumatoid arthritis 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Model should optimize training with superb image quality, simulated tissue matches the acoustic properties of real human tissue 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have self-healing tissue with tremendous durability minimize the need for replacement parts and providing a low cost of ownership 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have superior realism, reliability and durability 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Models should be anatomically correct; constructed from a digital human file 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Knee Model Anatomy should include: Knee ligaments, Distal Femur Bone, Proximal Tibia/Fib Bone, Patella, Patellar Bursa, Quadriceps Tendon, Femur Fat Pad, Quadriceps Fat Pad, Percutaneous Fat Tissue, Suprapatellar Space 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have adjustable volume in the Bursa and Suprapatellar space to simulate various injections and aspirations 	Comply , NO Deviation	



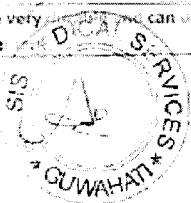
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		Should have easy to refill with ultrasound refill solution ports	Comply , NO Deviation	
		MSK Knee Model should sits on platform with flex angle of 15 degrees	Comply , NO Deviation	
		Should be light weight and easy to transport	Comply , NO Deviation	
		Must have excellent imaging quality using any ultrasound machine	Comply , NO Deviation	
5	Female Catheterization simulator	It should allow practice, and assessment of the female bladder catheterization procedures.	Comply , NO Deviation	
		Fluid must runs out on successful catheterization.	Comply , NO Deviation	
		Bladder must be partial transparent.	Comply , NO Deviation	
		The abdominal wall should be removable.	Comply , NO Deviation	
		It should allow suprapubic catheter insertion.	Comply , NO Deviation	
		Should have soft and movable labia for practicing disinfection.	Comply , NO Deviation	
		Must have anatomically realistic pelvic structure	Comply , NO Deviation	
		Should have non-slip feet.	Comply , NO Deviation	
		Must have magnetic connectors for quick set-up and dismantling	Comply , NO Deviation	
		It should be easy to clean.	Comply , NO Deviation	
		Must have a sponge on the inside that should prevent build-up of moisture.	Comply , NO Deviation	
		Model Should include the following:	Comply , NO Deviation	
		Catheterization set with transparent bladder	Comply , NO Deviation	
		Bottle and tube connectors	Comply , NO Deviation	
		Carrying case	Comply , NO Deviation	
6	Male Catheterization simulator	It should allow practice, and assessment of the male bladder catheterization procedures.	Comply , NO Deviation	
		Fluid must run out on successful catheterization.	Comply , NO Deviation	
		Bladder must be partial transparent.	Comply , NO Deviation	
		The abdominal wall should be removable.	Comply , NO Deviation	
		Must have three different levels of narrowing of urethra can be set.	Comply , NO Deviation	
		In the narrowest setting, catheterization is not possible, then it should allow suprapubic catheter insertion.	Comply , NO Deviation	
		Should have soft and movable foreskin for practicing disinfection.	Comply , NO Deviation	
		Must have anatomically realistic pelvic structure	Comply , NO Deviation	
7	Intramuscular Injection of Upper Arm	The model's injection sites should Practice injections in the upper arm muscles safely on a realistic model	Comply , NO Deviation	
		The model should be preferably transparent other than right arm that should the injection training	Comply , NO Deviation	
		When an injection is made in a wrong spot or if it's made too deep, a red light will turn on, a buzzer sounds a warning, and a nerve lamp displays where the error has been made. The model also displays a green light for injections made in safe spots.	Comply , NO Deviation	
		These indicators reinforce correct technique and prevent users from making the same mistakes	Comply , NO Deviation	
		Medical fluids (water) can also be injected to make this model a valuable instruction tool.	Comply , NO Deviation	
8	Vein puncture training arm with circulation vein	Should be an arm model to offer lifelike training for performing injection, infusion, venopuncture, phlebotomy, simulation and training of needle and catheters puncture procedure	Comply , NO Deviation	
		The model should have accessible veins include the median, basillica and cephalic.	Comply , NO Deviation	
		Model should possess realistic skin to offer close to reality experience	Comply , NO Deviation	
		After inserting the catheter correctly, students should experience a realistic flashback for placement confirmation	Comply , NO Deviation	
		Replacement skin should be very durable and can offer at least 3000 punctures before replace	Comply , NO Deviation	



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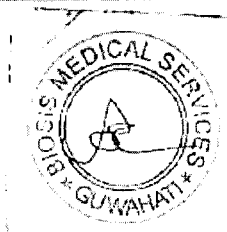
		<ul style="list-style-type: none"> Skin should be non-staining 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Skin should be hypoallergenic 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Includes two nos. of 1000 ml bags to use for simulating an IV drip and blood flow through the arm. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Model should have clear tubing to allow trainees to locate vessels solely by palpation 	Comply , NO Deviation	
9	Multipurpose injection trainer intradermal injection, subcutaneous injection and intramuscular tissue injection	<ul style="list-style-type: none"> The training arm should provides complete venous access for IV therapy and phlebotomy, plus sites for intramuscular and intradermal injections. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> It should an extensive 8-line vascular system allows students to practice venipuncture at all primary and secondary locations, including starting IVs and introducing Over the Needle IV Catheters. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> The venous system should simplifies setup with only one external fluid bag supplying artificial blood to all veins simultaneously. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> The dorsal surface of the hand should includes injectable metacarpal, digital, and thumb veins. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> The antecubital fossa should includes the median cephalic, median basilic, and median cubital veins. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Venipuncture can also be performed along the basilic, cephalic, accessory cephalic, and median antebrachial veins 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Intramuscular injections should be performed in the deltoid muscle and intradermal injection sites are located in the upper arm. Intramuscular injections into the deltoid muscle are enhanced by the soft, lifelike skin and by the natural bony landmarks in the region. Intradermal injections using distilled water will create characteristic skin welts at designated sites on the upper arm. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Model should has flexion of the wrist that helps students develop manipulation skills and the replaceable skin rolls as the veins are palpated, and a discernible "pop" is felt when entering the veins. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Under normal use it should, hundreds of injections may be performed before the veins or skin need to be replaced. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have complete replacement kits are available and easy to use. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> To extend the life of the veins, an aerosol sealant is available to seal punctures and prevent leakage. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have the following Complete Venous Access: 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Basilic Vein. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Cephalic Vein. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Digital Vein. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Dorsal Metacarpal Vein. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Median Basilic Vein 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Accessory Cephalic Vein. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Extensive Venepuncture System 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Flexible Fingers and Wrist 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Intradermal Injections 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Intramuscular Injections 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Median Antebrachial Vein. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Median Cephalic Vein. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Median Cubital Vein. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Replaceable Skin and Veins 	Comply , NO Deviation	
		<ul style="list-style-type: none"> o Thumb Vein. 	Comply , NO Deviation	
10	Central venous catheterization simulator	<ul style="list-style-type: none"> Model should be an upper torso ultrasound central line and regional anesthesia mannequin 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have realistic external and internal anatomy for ultrasound guided or blind inser 	Comply , NO Deviation	



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		Should be anatomically correct; cast from a live patient and constructed from a digital human file	Comply , NO Deviation	
		Regional anesthesia anatomy should include supraclavicular nerves, interscalene nerves, infraclavicular nerves and enhanced access of the posterior interscalene nerve block approach	Comply , NO Deviation	
		The brachial plexus can be injected with simulated anesthetics to verify needle tip location and to practice the entire anesthesia procedure	Comply , NO Deviation	
		Injected simulated anesthetics should be expelled allowing for repeated use	Comply , NO Deviation	
		Must have venous anatomy includes: internal jugular vein (IJ), brachiocephalic vein, subclavian vein and axillary vein	Comply , NO Deviation	
		Arterial anatomy includes: carotid artery, subclavian artery and axillary artery	Comply , NO Deviation	
		Simulated superior vena cava, right atrium and right ventricle should allow clinicians to fully thread guidewires and catheters without resistance	Comply , NO Deviation	
		Internal landmarks for superior realism include the trachea, manubrium and clavicle	Comply , NO Deviation	
		Veins should be compressible using mild pressure while the arteries Comply , NO Deviation Comply , NO Deviation Comply , NO Deviation remain uncompressed	Comply , NO Deviation	
		Model should be excellent for training clinicians in the psychomotor skills associated with ultrasound guided central line placement training	Comply , NO Deviation	
		Arterial pulsations simulated using provided with pumping system	Comply , NO Deviation	
		Positive fluid flow in the vessels; model is prefilled with red fluid in the arteries and blue fluid in the veins	Comply , NO Deviation	
		Facility to refill fluid	Comply , NO Deviation	
		Soft part should be capable of at least 1000 procedures/pricks	Comply , NO Deviation	
		Excellent imaging quality using any ultrasound system	Comply , NO Deviation	
11	Intravenous infusion & femoral access leg	It should have features for intravenous infusion practice include palpable landmarks including the patella, tibia.	Comply , NO Deviation	
		It should have tibial tuberosity replaceable bones and skin	Comply , NO Deviation	
		It should have a pressurized system to allow aspiration of fluid.	Comply , NO Deviation	
		For femoral access, model should have features include	Comply , NO Deviation	
		o Palpable arterial pulse	Comply , NO Deviation	
		o Realistic flashback from re-entrained venous system	Comply , NO Deviation	
		o Replaceable injection pad	Comply , NO Deviation	
		o Articulated leg that allows proper positioning	Comply , NO Deviation	
		o Gauge intravenous infusion needle should be included	Comply , NO Deviation	
12	Prostate Examination Simulator	Instructors should have the ability to teach techniques of prostate examination with no harm or embarrassment to real patients	Comply , NO Deviation	
		Every student can learn to detect beginning stages of prostate cancer and increase chances of patient survival.	Comply , NO Deviation	
		Four separate prostate glands should be supplied with the torso, representing one benign gland	Comply , NO Deviation	
		Three stages of prostatic carcinoma in varying degrees of development should be supplied with the model.	Comply , NO Deviation	
		Each gland should be inserted into the prostate torso to allow realistic practice in diagnosis by rectal palpation	Comply , NO Deviation	
		o It should have the following stages	Comply , NO Deviation	
		o STAGE A GLAND - Benign, slightly enlarged, but otherwise normal prostate gland.	Comply , NO Deviation	
		o STAGE B GLAND - A discrete, hard nodule is palpable in the upper right quadrant. This simulates a beginning stage of carcinoma.	Comply , NO Deviation	

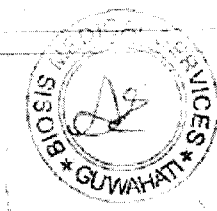


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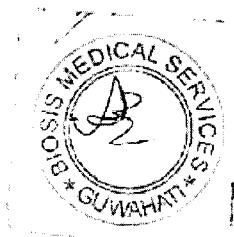
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		o STAGE C GLAND - The spread of carcinoma is demonstrated in this gland. The small nodule has increased in size and has become an external hard mass on the surface of the gland	Comply , NO Deviation
		o STAGE D GLAND - This gland is totally replaced with carcinoma. The entire gland will feel hard and irregular.	Comply , NO Deviation
13	Multipurpose clinical cystitis	• Excellent for training clinicians in the psycho-motor skills associated with ultrasound guided thoracentesis procedures	Comply , NO Deviation
		• Ultrasound tissue module contains the chest wall superficial tissue, 5th, 7th, 8th, and 9th ribs and intercostal spaces, pleural cavity with lung and atelectatic lung, diaphragm, and superior spleen.	Comply , NO Deviation
		• Superb ultrasound imaging characteristics: extremely realistic in ultrasound imaging characteristics and feels like real human tissue.	Comply , NO Deviation
		• Ultrasound tissue is ultra durable; self healing tissue offers a long life - providing a low cost of ownership.	Comply , NO Deviation
		• Positive fluid flow offers users immediate feedback when pleural effusion fluid is accurately accessed.	Comply , NO Deviation
		• Pleural fluid that is removed during thoracentesis procedural training is easily refilled using a quick fill port - or automatically refilled using LV bag reservoir.	Comply , NO Deviation
		• Ultrasound tissues match the acoustic characteristics of real human tissue so when you use your ultrasound system on our training models, you experience the same quality you expect from imaging patients in a clinical environment.	Comply , NO Deviation
		• Excellent imaging characteristics using any ultrasound imaging system.	Comply , NO Deviation
		• Practice using ultrasound system controls.	Comply , NO Deviation
		• Extremely durable; use for repeated training.	Comply , NO Deviation
		• Model should be good for at least 1000 punctures.	Comply , NO Deviation
14	Epistomy suturing trainer	• Model should be a replica of female genitalia.	Comply , NO Deviation
		• It should be malleable, with that lifelike skin feeling of realism.	Comply , NO Deviation
		• Should be entirely made of realistic skin for extremely realistic training experience.	Comply , NO Deviation
		• Model should allow students to practice epistomy suturing and haemorrhoid identification.	Comply , NO Deviation
		• Model should be made of realistic skin that is non-moulding and hypoallergenic.	Comply , NO Deviation
		• Should be easy to clean and long lasting.	Comply , NO Deviation
15.a.	Simulator for Pelvic Examination Gynaecological Simulator with IUD	• Advanced Pelvic Examination and Gynaecological Simulator is ideal for all aspects of gynaecological education, training, and competency evaluation	Comply , NO Deviation
		• Model must include bimanual examination, speculum exam and colposcopy simulation.	Comply , NO Deviation
		• Should have the interchangeable components that make up its unique modular system.	Comply , NO Deviation
		• Should allow you the flexibility of customizing your scenarios with use of included makeup, blood, and thickener.	Comply , NO Deviation
		• Additional specialized models should also be available (STD, post-menopause, S.A.N.E., and pre-puberty).	Comply , NO Deviation
		• Starter unit should include following:-	Comply , NO Deviation
		o Torso, normal genital pad	Comply , NO Deviation
		o Normal pelvic organ block with vagina and rectum	Comply , NO Deviation
		o Abdominal gel pad	Comply , NO Deviation
		o Fabric abdominal pad	Comply , NO Deviation
		o Abdominal overlay skin	Comply , NO Deviation
		o Seven uterus/cervix pieces	Comply , NO Deviation
		o Normal/normal with discharge option	Comply , NO Deviation
		o Retroverted/cervix	Comply , NO Deviation
		o Cancer/cancer	Comply , NO Deviation
		o Transparent IUD trainer	Comply , NO Deviation
		o Post-menopausal/herpes	Comply , NO Deviation
		o Fibroids/fibroid	Comply , NO Deviation
		o Early pregnancy	Comply , NO Deviation
		o Five detachable ovaries	Comply , NO Deviation
		o Normal,	Comply , NO Deviation
		o Polycystic,	Comply , NO Deviation



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		• Small	Comply, NO Deviation	
		• Large adnexal mass	Comply, NO Deviation	
		• Bladder insert	Comply, NO Deviation	
		• Pelvic organ prolapse insert	Comply, NO Deviation	
		• Baby powder	Comply, NO Deviation	
		• Injury shades makeup wheel	Comply, NO Deviation	
		• Primary colours makeup wheel	Comply, NO Deviation	
		• Blood mix	Comply, NO Deviation	
		• Hydroxyethyl cellulose thickener	Comply, NO Deviation	
		• Syringe	Comply, NO Deviation	
		• Lubricant	Comply, NO Deviation	
		• Instruction manual	Comply, NO Deviation	
		• Hard carry case	Comply, NO Deviation	
		• It should be completely washable, disassembles for easy cleaning.	Comply, NO Deviation	
15.b.	Simulator for IUD insertion	• OPTION Simulator for IUD Insertion	Comply, NO Deviation	
		• Model should be a hand-held model for the training of IUD device	Comply, NO Deviation	
		• Model should be a non-toxic rubberised model	Comply, NO Deviation	
		• This should be anatomically accurate and fit for insertion for IUD device	Comply, NO Deviation	
		• Model should have Coronal section of uterus, ovaries, and fallopian	Comply, NO Deviation	
		• Model should have Clear plastic window permits easy viewing of IUD	Comply, NO Deviation	
16	16. Intra Aural Examination Trainer	• The Intra-Aural Examination Simulator should have option to practice examination of the human ear. It should be specially moulded to exactly simulate external and internal physical appearance and dimensions, the plug-in removable ears are easily changed.	Comply, NO Deviation	
		• It should have life-size full-colour prints on film, embedded at the tympanic membrane, provide the same realistic views experienced with a live patient.	Comply, NO Deviation	
		• The lifelike, flexible texture of the ears requires the same manipulation when using the otoscope as required on a live patient. Realistic irrigation and cleaning exercises should be possible with the two tubes of synthetic earwax that are provided with the simulator.	Comply, NO Deviation	
		• A supplementary set of four ears should available separately for advanced nursing and medical school training	Comply, NO Deviation	
		• It should include the followings -	Comply, NO Deviation	
		• Normal tympanic membrane (photo embedded)	Comply, NO Deviation	
		• Mucoid otitis media (photo embedded)	Comply, NO Deviation	
		• Serous otitis media with fluid level (photo embedded)	Comply, NO Deviation	
		• Chronic otitis media with perforation (photo embedded)	Comply, NO Deviation	
		• Normal tympanic membrane with slanted ear canal (photo embedded)	Comply, NO Deviation	
		• Normal ear without photo for earwax removal exercise	Comply, NO Deviation	
		• Two tubes of synthetic earwax (image CD instructions)	Comply, NO Deviation	
		• Hard carrying case.	Comply, NO Deviation	
17	Simulator for neonate care	• Defibrillation shock can be delivered through manikin or simulator	Comply, NO Deviation	
		• It should connect with defibrillator/external pacer to simulator using adapters	Comply, NO Deviation	
		• Should have built-in circuitry allows you to defibrillate and pace directly into the ECG simulator and observe ECG rhythms through the PADS connector	Comply, NO Deviation	
		• Select another rhythm to run immediately after defib discharge	Comply, NO Deviation	
		• Pacing can be done on any manufacturer's defibrillator	Comply, NO Deviation	
		• It should have battery saver feature for powers off simulator automatically when not in use	Comply, NO Deviation	



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		Should have 6 waveforms	Comply, NO Deviation
		Should have 17 adult/paediatric rhythms	Comply, NO Deviation
		Mandatory Features:	Comply, NO Deviation
		o Airways, breathing, intubation, and ventilation	Comply, NO Deviation
		o Birth anomalies	Comply, NO Deviation
		o Chest tube placement	Comply, NO Deviation
		o CPR	Comply, NO Deviation
		o ECG simulation	Comply, NO Deviation
		o Gastrointestinal (GI) tube	Comply, NO Deviation
		o Interchangeable genitalia	Comply, NO Deviation
		o Introsseous infusion	Comply, NO Deviation
		o IV hand and foot	Comply, NO Deviation
		o Observation and measurement	Comply, NO Deviation
		o Portable manual pulse counts in 7 locations	Comply, NO Deviation
		o Patent umbilicus with venous and arterial access	Comply, NO Deviation
		o PICC site in arm	Comply, NO Deviation
		o Urinary catheterization	Comply, NO Deviation
		It should come complete with:	Comply, NO Deviation
		o Airways, 2 standard and advanced	Comply, NO Deviation
		o Baiter powder	Comply, NO Deviation
		o Blood	Comply, NO Deviation
		o Carry bag	Comply, NO Deviation
		o Defibrillation chest	Comply, NO Deviation
		o Intraosseous bones and skin	Comply, NO Deviation
		o IV bag	Comply, NO Deviation
		o IV skin and veins for hand and foot	Comply, NO Deviation
		o Male and female genitalia	Comply, NO Deviation
		o Myelomeningocele	Comply, NO Deviation
		o Needles	Comply, NO Deviation
		o Omphalocele	Comply, NO Deviation
		o Umbilicus	Comply, NO Deviation
18	Infant IV Arm	The arm should represent of an infant with extremely realistic anatomical hand mark	Comply, NO Deviation
		It should be made of medical grade vinyl material	Comply, NO Deviation
		Model should have life like skin that can mimic real skin	Comply, NO Deviation
		Model should have Rubber tubing with appropriately small lumen and thin walls	Comply, NO Deviation
		It should have cephalic and basilic vein	Comply, NO Deviation
		The veins should be accessible as well as dorsal Venus's arch on the hand	Comply, NO Deviation
		Model should have flashback of blood when the needle is properly inserted into the veins	Comply, NO Deviation
		Model should be supplied with the basic necessary accessories	Comply, NO Deviation
19	Paediatric Lumbar Puncture Simulator	Simulator should represent a 18-22-month-old infant	Comply, NO Deviation
		Model should be placed in a left lateral decubitus position with the neck and knees flexed, approximating the necessary fetal position.	Comply, NO Deviation
		It should educate individuals on the skills used to collect samples of cerebrospinal fluid (CSF), measure cerebrospinal fluid pressure, or to inject medications intrathecally.	Comply, NO Deviation
		Embedded iliac crest should offers an optional realism	Comply, NO Deviation
		It should have removable spine, spinal canal and skin pad for making training changes and hassle free	Comply, NO Deviation
		Lumbar puncture can be performed in the L3-L4, L4-L5, or L5-S1 spaces.	Comply, NO Deviation
		The correct site can be located by palpating the iliac crest and spine.	Comply, NO Deviation
		A small "give" will be felt as the spinal needle is advanced slowly into the proper space.	Comply, NO Deviation
		Fluid will flow when the needle is in the correct position.	Comply, NO Deviation
		It should be anatomically correct and comfortable	Comply, NO Deviation
		Should have correct body positioning	Comply, NO Deviation
		lumbar pad can be easily to replace	Comply, NO Deviation
		Should have realistic resistance	Comply, NO Deviation
		Simulated CSF flows with successful puncture	Comply, NO Deviation
20	Suture practice frames (Complete)		Comply, NO Deviation
	A. Advanced Surgical Suture Training Arm Model	The arm should have realistic anatomy for the suture training.	Comply, NO Deviation



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21	Tracheostomy & Cricothyroidotomy Simulator	Must have features:	Comply , NO Deviation	
		Should be lightweight and durable training device designed for efficient procedure training	Comply , NO Deviation	
		Should have palpable cricoid landmarks, laryngeal cartilages and tracheal rings provide	Comply , NO Deviation	
		Positive user feedback with easy identification of the sternal notch and the clavicle bone	Comply , NO Deviation	
		Should have correct technique verification with replaceable lung bag	Comply , NO Deviation	
		Neck skin should be rotated on the model allowing up to 20 incisions	Comply , NO Deviation	
		Should allow larynx insert 1 surgical cricothyroidotomy and 3 tracheostomy procedures	Comply , NO Deviation	
		All consumables should be quick and easy to interchange, perfect for a busy teaching environment	Comply , NO Deviation	
		Should have option to add subcutaneous fat tissue to simulate difficult tracheostomy or	Comply , NO Deviation	
		Should have practice option for cricothyroidotomy procedure	Comply , NO Deviation	
		Training Model Should Be Good for Below Training:	Comply , NO Deviation	
		o Needle and surgical cricothyroidotomy	Comply , NO Deviation	
		o Air jet ventilation	Comply , NO Deviation	
		o Percutaneous tracheostomy	Comply , NO Deviation	
		o Seldinger technique	Comply , NO Deviation	
22	Nasopharyngeal Swab Collection Simulator	The model should a head with open nasal & oral cavities	Comply , NO Deviation	
		Training of how to properly executed NP swab insertion for respiratory infections according to the procedure	Comply , NO Deviation	
		Should train how to collect a Nasopharyngeal (NP) swab, anterior, lateral, buccal, throat, nasal mucosa.	Comply , NO Deviation	
		Simulator should features true-to-life anatomy, including the tongue, uvula and teeth, providing a realistic training experience.	Comply , NO Deviation	
		Should have realistic skin feeling	Comply , NO Deviation	
		Should be non-staining	Comply , NO Deviation	
		Hypoallergenic	Comply , NO Deviation	
		Easy maintenance	Comply , NO Deviation	
23	Upper Body Bandaging Simulator	Should allow Practice and demonstrate standard bandaging procedures.	Comply , NO Deviation	
		Should be used to demonstrate the attachment of prosthetic devices.	Comply , NO Deviation	
		Includes the two arms - one is amputated above the elbow the other above the wrist.	Comply , NO Deviation	
		Both arms must be slightly extended in a patient-like position to facilitate bandaging.	Comply , NO Deviation	
		The compressibility of the material very closely duplicates actual experience with a patient.	Comply , NO Deviation	
24	Lower Stump Bandaging Simulator	Should allow Practice and demonstrate standard bandaging procedures.	Comply , NO Deviation	
		The lower torso should be long enough to allow carrying the bandage around the body over the uninvolved hip at the level the iliac crest.	Comply , NO Deviation	
		Should be used to demonstrate the attachment of prosthetic devices.	Comply , NO Deviation	
		The lower torso should be representative of a patient in a supine position with legs slightly abducted.	Comply , NO Deviation	
		Model should come with one leg amputated below the knee, the other at mid-thigh.	Comply , NO Deviation	
25	Composite Critical Care and Surgery Simulator	The Emergency/Trauma medical services Cut Suit should be especially suitable to accomplish these following goals in training:	Comply , NO Deviation	



John

Samuel

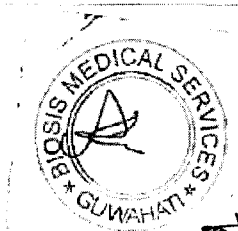
		First, it allows medical providers to treat the three primary causes of death on the on a real human casualty; uncontrollable haemorrhage *with a blood distribution system, airway compromise, and tension pneumothorax.	Comply , NO Deviation
		System should have the following features:	Comply , NO Deviation
		• The system can be worn during even intensely physical scenarios at the Point of Injury (POI)	Comply , NO Deviation
		• The system weights should not be more than 12 kg	Comply , NO Deviation
		• Clothing, uniform, body Armor, and equipment is usable over the Cut Suit	Comply , NO Deviation
		• The system allows for interaction with a live patient during the emergency assessment and treatment process.	Comply , NO Deviation
		• The skin is user repairable, allowing for multiple uses per unit	Comply , NO Deviation
		• User created and customisable wound patterns.	Comply , NO Deviation
		Simulator must have the facility to do the following procedures on Trauma Cut Suit:	Comply , NO Deviation
		• Extremity haemorrhage control with tourniquet application, arterial ligation/clamping, internal	Comply , NO Deviation
		Compression (wound-void packing) *with a blood distribution system	Comply , NO Deviation
		• Surgical Cricothyroidotomy	Comply , NO Deviation
		• Bilateral anterior and axillary chest needle thorcentesis	Comply , NO Deviation
		• Bilateral surgical chest-tube thoracotomy	Comply , NO Deviation
		• Suturing and stapling of skin in all locations	Comply , NO Deviation
		• Peripheral IV access	Comply , NO Deviation
		• Sternal Intraosseous IV access	Comply , NO Deviation
		• Peripheral IV medication administration	Comply , NO Deviation
		• Trauma cut suit must be supplied with Blood pumping systems and trauma kit.	Comply , NO Deviation
		• Blood Pumping System should be Hyper-Realistic medical training system to simulate human arterial and Venous haemorrhage in conjunction with simulated human injury products.	Comply , NO Deviation
		• The BPS should be self-contained and allows for 4 simultaneous bleeds controlled by a wireless fob with a 50-foot standoff.	Comply , NO Deviation
		• Each line should be controlled by the operator to simulate both venous and arterial bleeds. The BPS should be supplied with 2 femoral sleeves (1 with and 1 without pants), 2 brachial sleeves (1 with and 1 without bone), blast trousers, and 1	Comply , NO Deviation
		• Gallon of blood concentrate for up to 6 gallons of reconstituted blood.	Comply , NO Deviation
26	Intradermal Injection Simulator	• This model should only allow administering of an intradermal injection.	Comply , NO Deviation
		• It should come with a strap that can be used to wear the pad in simulated scenario.	Comply , NO Deviation
		• It should permit injections at 9 injection sites	Comply , NO Deviation
		• It should be including epidermis and the dermis layers that should behaves like real skin to ensure a realistic training experience.	Comply , NO Deviation
		• Intradermal Injection should produce a bleb or liquid or air like real life experience if the fluid is properly injected that should appear like a wheal or blister on the skin's surface.	Comply , NO Deviation
		• Medication injected into the dermis should be absorbed slowly because of this skin layer's limited blood supply.	Comply , NO Deviation
		• It should be made up of skill that gives realistic skin feeling. Non staining, Hypoallergenic and mould free.	Comply , NO Deviation
27	Gluteal IM Injection Model		Comply , NO Deviation
		• Model should be ideal for practicing ventro gluteal injections	Comply , NO Deviation



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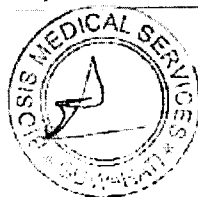
	it should look like a real female arm with all anatomical land marks.	Comply , NO Deviation	
	the model should offer practice of stitches as well as simulation of injection, removal of speeches and incisions	Comply , NO Deviation	
	It should allow a complete intervention beginning with an incision until the removal of the stitches in a safe and realistic setting	Comply , NO Deviation	
	Model should be good for the practice of stitches	Comply , NO Deviation	
	It should offer simulation of injection, removal of stitches and incisions	Comply , NO Deviation	
	model should be durable and each wound can be suture several times, making this trainer very economic and suitable even for longer skill training classes	Comply , NO Deviation	
	Model should allow punctures without injections	Comply , NO Deviation	
	Model should be made of realistic skin that is non-moulding and hypoallergenic	Comply , NO Deviation	
	Should be easy to clean and long lasting	Comply , NO Deviation	
B. Advanced Surgical Leg Suturing Training Model	The model should be a replica of female foot	Comply , NO Deviation	
	The artificial limb should be made of lifelike skin for the real simulation training	Comply , NO Deviation	
	Model should be designed for the practice of stitches with threads and staples	Comply , NO Deviation	
	It should be good for practice of incisions, removal of stitches and punctures without injection	Comply , NO Deviation	
	An entire procedure can be performed starting with an incision until the stitches are removed on the model.	Comply , NO Deviation	
	Model should mimic the effects of realistic skin	Comply , NO Deviation	
C. Advance Suture kit	Should be extremely durable	Comply , NO Deviation	
	The model should be based upon a base board for easy working	Comply , NO Deviation	
	the model should offer a soft flexible 3-layer skin opens realistically when a incision is made	Comply , NO Deviation	
	It should be highly resistant to tearing - suturing	Comply , NO Deviation	
	Skin pad should be very durable	Comply , NO Deviation	
	The kit should include inserts for deep dermal suturing , tendon repair and purse string suture.	Comply , NO Deviation	
	It should be compact portable and washable	Comply , NO Deviation	
	It should have non latex bands to hold the block with base plate	Comply , NO Deviation	
	Should have muscle block, deep dermal block, tendon block, purse-string insert, suture kit and carry bag	Comply , NO Deviation	
D. Suture practice trainers for training and evaluation	This pad should offer skills such as wound packing, injection, implantation and application of adhesives.	Comply , NO Deviation	
	Should be entirely made of realistic skin for extremely realistic training experience like pinch the skin for injections	Comply , NO Deviation	
	Should be non-staining	Comply , NO Deviation	
	Hypoallergenic	Comply , NO Deviation	
	Easy to maintenance	Comply , NO Deviation	
E. Suture evaluation simulator	Should be entirely made of realistic skin for extremely realistic training experience	Comply , NO Deviation	
	Should be non-staining and non-moulding	Comply , NO Deviation	
	Skin pads should offer realistic haptic feedback when practicing various suturing & stapling techniques	Comply , NO Deviation	
	Should have realistic subcutaneous tissues	Comply , NO Deviation	
	Should be non-staining	Comply , NO Deviation	
	Hypoallergenic	Comply , NO Deviation	
	Easy to maintenance	Comply , NO Deviation	



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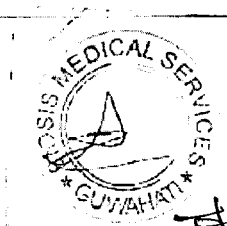
		Model should have bony structure so that students can feel the bone, which is used as a landmark for finding the correct injection location	Comply , NO Deviation	
		The interior of the model should contain a sponge, which prevents deterioration or mould generation, even after repeated injections	Comply , NO Deviation	
		Model should have self-healing skin for the realistic experience	Comply , NO Deviation	
		Model should be made of realistic skin that is non-staining and hypoallergenic	Comply , NO Deviation	
		Should allow users to inject fluid that can be removed through a hole on the underside of the model.	Comply , NO Deviation	
28	Basic Life Support (BLS) System- Adult	Should give Real-time feedback on compressions/ventilations with app in mobile or tab	Comply , NO Deviation	
		Must Have Features:	Comply , NO Deviation	
		Easy to assemble, maintain and clean	Comply , NO Deviation	
		Reference points for hand placement and compressions	Comply , NO Deviation	
		Tilted head and chin lift for airway openings	Comply , NO Deviation	
		Simulates obstructed airway	Comply , NO Deviation	
		Visible chest rises when ventilated	Comply , NO Deviation	
29	Basic Life Support (BLS) System- Paediatric	The manikin should be realistic half body torso of a child	Comply , NO Deviation	
		Should have visible anatomical landmarks include the sternum and the rib cage, plus substernal notch	Comply , NO Deviation	
		The manikins should simulate the realistic head tilt and chin lift necessary for opening the airway.	Comply , NO Deviation	
		Should have a chest rise that demonstrates a successful rescue breaths.	Comply , NO Deviation	
		System should feature easy installation of a single use airway/face shield system	Comply , NO Deviation	
		Changing of airway/face shield system should be very quick.	Comply , NO Deviation	
		The use of the disposable, economical airway/face shield avoids cross-contamination and does not require cleaning, disinfecting, or disassembly.	Comply , NO Deviation	
30	Basic Life Support (BLS) System- Neonate	The manikin should be realistic full body manikin of a newborn	Comply , NO Deviation	
		Should have visible anatomical landmarks like a new-born baby	Comply , NO Deviation	
		Should be a foam-filled, latex free, one-piece bodies offer one body construction for virtually indestructible handling	Comply , NO Deviation	
		Should be rugged models that lasts for years	Comply , NO Deviation	
		Should come with replaceable face shields to prevent any cross contamination	Comply , NO Deviation	
		Should come with easily replaceable lung bags	Comply , NO Deviation	
		Should be good for realistic CPR	Comply , NO Deviation	
		Head tilt and chin lift can be done easily for the airway training	Comply , NO Deviation	
		Ventilation skill can be learned on the manikin	Comply , NO Deviation	
		Face shields can be cleaned easily by mild soap	Comply , NO Deviation	
31	Multiple delivery position pregnancy Simulator	The simulator should be a replica of female pelvis	Comply , NO Deviation	
		The mannequin should be made of medical grade vinyl	Comply , NO Deviation	
		The Obstetrical mannequin should be anatomically correct with full term new born and placenta.	Comply , NO Deviation	
		Model should offer realistic practice in multiple techniques such as procedure of emergency child birth forceps/vacuum	Comply , NO Deviation	
		Model should have disposable umbilical cords with clamps	Comply , NO Deviation	
		It should have easily replaceable extra vulva and powder to make simulated blood	Comply , NO Deviation	



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		It should have a modular pregnant belly overlay with permanently installed fetus for training practice of the Leopold's maneuverer to determine the fetus lie by palpating its skull and kneecaps	Comply , NO Deviation	
		It should have a clear abdominal overlay to see positioning are all included.	Comply , NO Deviation	
		Model should be capable of imparting bellow training -	Comply , NO Deviation	
		Shoulder delivery	Comply , NO Deviation	
		Normal delivery	Comply , NO Deviation	
		Forceps/vacuum delivery	Comply , NO Deviation	
		Fetal attitude	Comply , NO Deviation	
		Fetal station	Comply , NO Deviation	
		Fetal lie	Comply , NO Deviation	
		Cord prolapse	Comply , NO Deviation	
		Compound presentation	Comply , NO Deviation	
		Cesarean section incision locations	Comply , NO Deviation	
		The Mannequin should have lifelike pelvic cavity has prominent pelvic landmarks, located spinal column, angled birth canal, ileum, ischium, sacrum, sacro spinous ligaments, and greater sciatic notch.	Comply , NO Deviation	
		The mannequin should also offer advance life support in obstetrics training programs	Comply , NO Deviation	
		Simulator should include bellow items-	Comply , NO Deviation	
		OB MANIKIN with soft cervical	Comply , NO Deviation	
		Pelvis (Rigid)	Comply , NO Deviation	
		Obstetrical Vulva (anatomical) - correct	Comply , NO Deviation	
		Obstetrical Trans parent Overlay	Comply , NO Deviation	
		Obstetrical Pregnant Overlay (with permanently installed fetus)	Comply , NO Deviation	
		Obstetrical Opaque Overlay	Comply , NO Deviation	
		Placenta	Comply , NO Deviation	
		Umbilical Cords (1 dozen)	Comply , NO Deviation	
		Post-nock Mat (5 pack)	Comply , NO Deviation	
		Methyl Cellulose	Comply , NO Deviation	
		FETUS (newborn)	Comply , NO Deviation	
		FETUS (premie)	Comply , NO Deviation	
		Umbilical Cord Clamps	Comply , NO Deviation	
		Blood Powder	Comply , NO Deviation	
		Air Inflation Bag	Comply , NO Deviation	
32	Breast Examination and Palpation Simulator	The breast model should work fine as a table top advance training model	Comply , NO Deviation	
		It should be made of Soft Vinyl	Comply , NO Deviation	
		It should be designed for supine or upright examination	Comply , NO Deviation	
		The model should be correctly positioned in the supine position and allows access to both axillae	Comply , NO Deviation	
		The tissue density should vary within the simulated breast	Comply , NO Deviation	
		It should have tumors of varying sizes (1-4 cm diameter), shapes (round, oval, irregular whorl or stellate), and densities can be	Comply , NO Deviation	
		Inserted by the instructor for an expanded combination of training scenarios	Comply , NO Deviation	
		The Tumors in model should have adenomas, cysts, malignant	Comply , NO Deviation	
		tumors, and enlarged lymph nodes	Comply , NO Deviation	
		It should feature palpable ribs, sternum and clavicles,	Comply , NO Deviation	
		and enlarged lymph nodes in the axillary and sub clavicular areas	Comply , NO Deviation	
		Model should have typical "Peau d' orange" ("orange peel skin") with inflammation,	Comply , NO Deviation	
		Inverted nipple, skin dimpling, and asymmetry that also depicted on the incredibly realistic skin	Comply , NO Deviation	
		Training may also be done without the overlay skin	Comply , NO Deviation	
		It should include a rigid underbody, right and left breast	Comply , NO Deviation	



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		inserts, overlay skin, 3 tumour sets (27 lumps)	Comply, NO Deviation	
		9 soft nodules to represent soft breast tissue	Comply, NO Deviation	
		1 hard lump to represent chest wall infiltration	Comply, NO Deviation	
		Baby powder	Comply, NO Deviation	
		Instruction manual, and hard carry case	Comply, NO Deviation	
33	Enema trainer	The Enema Administration Simulator can be used for group demonstrations to teach enema procedures.	Comply, NO Deviation	
		It must use for realistically practice of administering an enema.	Comply, NO Deviation	
		The standard enema procedures can be performed using conventional enema apparatus - no special equipment is required	Comply, NO Deviation	
		The upper buttock should be flexible so that the trainee must raise the buttock in order to locate and make insertion into the anus.	Comply, NO Deviation	
		A drain tube should be provided so that the fluid can be drained directly into a large container or sink, for continuous use.	Comply, NO Deviation	
		It should include a hard carrying case, enema administration set, and teaching guide	Comply, NO Deviation	
34	Adult airway trainer	The simulator should be ideal for training in...	Comply, NO Deviation	
		• Oral and nasal intubation	Comply, NO Deviation	
		• Needle and surgical cricothyroidotomy	Comply, NO Deviation	
		• Percutaneous tracheostomy	Comply, NO Deviation	
		• Bag/mask ventilation	Comply, NO Deviation	
		• Laryngeal Mask Airway (LMA) and supraglottic device insertion	Comply, NO Deviation	
		• Combitube insertion	Comply, NO Deviation	
		It should allow 20,000+ intubation cycles without fail and is supported by a 5-year airway guarantee	Comply, NO Deviation	
		• Realistic larynx which features palpable cricoid landmarks, laryngeal cartilages and tracheal rings should be there to provide positive user feedback and easy identification of the sternal notch	Comply, NO Deviation	
		• It should have inflatable tongue bulb to create tongue edema providing a variance during training	Comply, NO Deviation	
		• It must include user feedback through the visualization of stomach inflation and lung expansion	Comply, NO Deviation	
		• It should also have optional subcutaneous fat tissue with blood that can be added to demonstrate a more difficult tracheostomy or cricothyroidotomy procedure	Comply, NO Deviation	
		• It should be provided with two difficult airway options are available (if required)	Comply, NO Deviation	
		• Its design should allow for all parts to be changed within 15 minutes of use	Comply, NO Deviation	
		• It should allow upgradation to an simulator that allows bronchoscopy training techniques	Comply, NO Deviation	
		• It should be delivered ready to use in a durable carry case for easy transportation and safe storage	Comply, NO Deviation	
		The package should include	Comply, NO Deviation	
		• 1 USB pen drive containing product user manual	Comply, NO Deviation	
		• 1 bottle of lubrication (100ml)	Comply, NO Deviation	
		• 5 larynx inserts (1 supplied on manikin & 4 spare)	Comply, NO Deviation	
		• 1 wraparound neck skin (supplied on manikin)	Comply, NO Deviation	
35	Child airway trainer	This training model should be ideal for training in...	Comply, NO Deviation	
		• Oral and nasal intubation	Comply, NO Deviation	
		• Needle and surgical cricothyroidotomy	Comply, NO Deviation	
		• Percutaneous tracheostomy	Comply, NO Deviation	
		• Bag/mask ventilation	Comply, NO Deviation	
		• Laryngeal Mask Airway (LMA) and supraglottic device insertion	Comply, NO Deviation	



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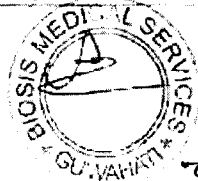
		• Combitube insertion"	Comply , NO Deviation	
		"It should be certified to practice 20,000+ intubation cycles without fail and is supported by a 5-year airway guarantee	Comply , NO Deviation	
		• Realistic larynx which should feature palpable cricoid landmarks, laryngeal cartilages and tracheal rings to provide positive user feedback and easy identification of the sternal notch	Comply , NO Deviation	
		• It should have inflatable tongue bulb to create tongue edema providing a variance during training	Comply , NO Deviation	
		• The manikin should have user feedback through the visualization of stomach inflation and lung expansion	Comply , NO Deviation	
		• Optional subcutaneous fat tissue with blood can be added to demonstrate a more difficult tracheostomy or cricothyroidotomy procedure	Comply , NO Deviation	
		• It should have missed front tooth to illustrate realistic dentals of a 6-year old	Comply , NO Deviation	
		• It can be upgraded for bronchoscopy training techniques"	Comply , NO Deviation	
		It should include:	Comply , NO Deviation	
		• 1 carry case	Comply , NO Deviation	
		• 1 USB pen drive containing product user manual	Comply , NO Deviation	
		• 1 bottle of lubrication (100ml)	Comply , NO Deviation	
		• 5 larynx inserts (1 supplied on manikin & 4 spare)	Comply , NO Deviation	
		• 1 wrap around neck skin (supplied on manikin)"	Comply , NO Deviation	
36	Video Recording & Display system	Learning management System with Following feature		
		LMS must have following features and Quoted must include all hardware/software/active and passive components including licencing	Comply , NO Deviation	
			Comply , NO Deviation	
		1. LMS and encrypted video streaming, record and playback: high definition video and presentation, up to HD 720p		
		2. Create interactive, multimedia rich courses using content library with unlimited cloud storage • Share content through HTTPS/ REST protocol	Comply , NO Deviation	
			Comply , NO Deviation	
		5. Enhance course effectiveness with exhaustive assessment options, reports and analytics • Shared virtual whiteboard, updates its view for all attendees in real time		
		• Supports YouTube video within live classes and content loading from Gmail, Google drive etc. in to the library	Comply , NO Deviation	
			Comply , NO Deviation	
		5. User/ Role Management and Customization at Administrative, Student and Teacher level - admin with the ability to limit the maximum number of participants and restrict or authorize the recording capabilities to a definite set of users		
			Comply , NO Deviation	
		5. Supports multi-tenant architecture where users are registered per tenant • Instructor managed mute control for both audio & video - Instructor/Co-instructor can annotate on top of the shared content (like PDF, PPT and DOC) in the session		
			Comply , NO Deviation	
		7. Additional registered co-instructor are allowed with sufficient permissions, to schedule a session at any time with ability to share desktop using screen sharing, play a video file, conduct a poll during the session, access others content library, upload and share content from desktop, plot shapes like triangle, rectangle, cube, advanced Shapes like Flow charts, Chemistry, Maps and Grids, Emoticons etc. and rights to remove the unwanted attendee from the live session - Supports multiple students in single virtual classroom session		



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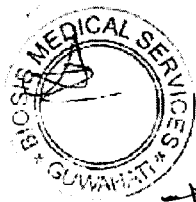
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8. View attendee list in the live class also remotely control audio/video streams - Display names for each participant connected in the session	Comply, NO Deviation
9. Discussion forum - 24x7 mentoring, peer to peer learning - Tests and assignments with automated instant results - Performance analytics and reports - Shared media player to share any audio/video file (streamed directly from the cloud) - Web based scheduling interface to schedule live sessions	Comply, NO Deviation
10. Send SMS invites, Email notifications about session scheduling, session reminder etc. to all registered participants with a click of button	Comply, NO Deviation
11. Live group and private chat - Shared code editor enabling the teaching of software languages - Create/delete new and bulk users through a CSV file	Comply, NO Deviation
12. Get attendance report including total number of sessions conducted, each attendee's login/logout time, total number of minutes attended, absentees etc. also retrieve and download in excel format - Course certificate for learners	Comply, NO Deviation
13. Upload and share multiple image formats like JPG, PNG etc. during the virtual classroom session	Comply, NO Deviation
14. Time lapsed and time remaining option to extend the duration of the class from within the virtual classroom session	Comply, NO Deviation
15. Provision to have a centralized directory by the administrator of all registered users. Registered users access based on administrator privileges. Access to virtual classrooms protected by username and password authentication so that before the instructor/Co-instructor enters, participants are placed in a virtual waiting room.	Comply, NO Deviation
Network storage & playback option	
1. Live and record -	Comply, NO Deviation
2. Minimum 5TB of cloud storage to store session recordings -	Comply, NO Deviation
3. Upload files with minimum of 1 GB file size, add meta data (title, description, language) to each uploaded file	Comply, NO Deviation
4. Delivered to students regardless of their locations on standard PCs/Laptops through standard WiFi & 4G internet connection	Comply, NO Deviation
5. Scheduled sessions and Ad hoc sessions made at the same time	Comply, NO Deviation
6. 5 or more simultaneous video streams and 20 simultaneous audio stream - Web based (web app) with automatic NAT firewall traversal (no extra hardware required), ICE, STUN, TURN protocols for secure connectivity over Internet	Comply, NO Deviation
7. Works in Google Chrome, Mozilla FireFox web browsers without any software downloads - Supports major operating systems like Windows, Mac and Linux	Comply, NO Deviation
8. Cloud based online content library	Comply, NO Deviation
9. updated and accessible	Comply, NO Deviation
10. Class recording automatically available for web and mobile streaming - within a certain duration of the class ending -	Comply, NO Deviation
11. The media traverse over encrypted SRTP (Secure RTP) -	Comply, NO Deviation
12. Store recording back in the content library automatically, download in mp4 format	Comply, NO Deviation
13. Connect any endpoint which is connected to the internet using IP v4 or IP v6	Comply, NO Deviation
14. Intelligent built in capability for dynamic bandwidth, resolution matching, fallback to pure audio maintaining the continuity of the session in low bandwidth	Comply, NO Deviation



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		15. Join session with authentication by the user over OAuth2.0, or other standard SSOs if desired	Comply , NO Deviation	
		16. Record and playback high definition video and presentation, up to HD 720p; fast forward, rewind and skip video of recording during playback	Comply , NO Deviation	
		17. Stream session recording via HLS in Chrome/Firefox	Comply , NO Deviation	
37	Tube feeding trainer	Admin/Instructor can save the recordings file on a local disk		
		• The training model should offer proficiency in nasogastric and nasojejunal feed tube and gastrostomy device placement and management in adults.	Comply , NO Deviation	
		• This model should depict a male upper torso.	Comply , NO Deviation	
		• The models feeding tube can be diverted into either the right or left lung, into the stomach, or through a dynamic pyloric sphincter into the duodenum	Comply , NO Deviation	
		• It should have an open mouth and moveable head allow visualization of feeding tube curling in the back of the mouth during difficult placements	Comply , NO Deviation	
		• The models divided nasal septum should allow use of nasal bridges	Comply , NO Deviation	
		• It should be design in such a way that lungs, stomach, and small intestine can all accept fluids, allowing for aspiration and administering feed or medication	Comply , NO Deviation	
		• Stomach aspirate pH can also be measured	Comply , NO Deviation	
		• The fluids can drain easily when the session is complete	Comply , NO Deviation	
		• It should have an option to remove the skin to reveal transparent internal anatomy and aid understanding	Comply , NO Deviation	
		• It should include silicone lubricant, instruction manual, and rigid carrying case with wheels	Comply , NO Deviation	
38	FAST Ultrasound Training Model	The model should be a full-torso, made of soft tissue that can be scanned with Ultrasound.	Comply , NO Deviation	
		Model should extend from head to mid-thigh	Comply , NO Deviation	
		The model should offer superb realism, for FAST ultrasound training	Comply , NO Deviation	
		Should have ultrasound imaging characteristics of the structures in the thorax, right upper quadrant, left upper quadrant, abdomen, and pelvis.	Comply , NO Deviation	
		The model should have realistic techniques of learning like to apply the adequate transducer pressure for image acquisition, as well as how to navigate bowel gas and intercostal access.	Comply , NO Deviation	
		It should have adjustable internal bleeding levels allow learners to individually vary the training scenarios. This fully scannable upper and lower torso should offer extremely realistic internal bleeding that could be adjusted to simulate a wide variety of effusion states, including small, medium and large effusions or no effusions around the liver, spleen, heart, and bladder.	Comply , NO Deviation	
		It should offer the needle punctures in the pleural effusion areas for the real training	Comply , NO Deviation	
		The tissue must have self-healing properties	Comply , NO Deviation	
		Should not require any replacement parts	Comply , NO Deviation	
		ANATOMY:	Comply , NO Deviation	
		• Liver	Comply , NO Deviation	
		• Gallbladder	Comply , NO Deviation	
		• Kidneys	Comply , NO Deviation	
		• Spleen	Comply , NO Deviation	
		• Heart	Comply , NO Deviation	
		• Pericardial fluid	Comply , NO Deviation	
		• Lungs	Comply , NO Deviation	
		• Ribs	Comply , NO Deviation	
39	Sticky Wounds Kit	• The kit should comprise of more than 20 sticky wounds	Comply , NO Deviation	
		• These sticky wounds are made entirely of gel like material for a life like appearance	Comply , NO Deviation	
		• Can stick to any surface without adhesive	Comply , NO Deviation	

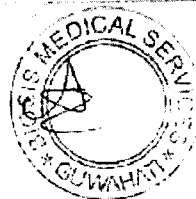


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		<ul style="list-style-type: none"> These wounds can be applied to any mannequin or standardized patient 	Comply, NO Deviation	
		<ul style="list-style-type: none"> These sticky wound pads should behave like Human skin and have good elasticity 	Comply, NO Deviation	
		<ul style="list-style-type: none"> The set of artificial and realistic wound should be perfect for first aid, army, health and safety, paramedic training, home care, nursing, bandaging, and hospital care training 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Sticky wounds should be stain resistant and hypoallergenic 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Can be washed easily with plain water 	Comply, NO Deviation	
		This kit of wound should have	Comply, NO Deviation	
		<ul style="list-style-type: none"> Traumatic cuts 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Traumatic abrasions 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Different stage ulcers 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Ulcer not categorized 	Comply, NO Deviation	
40	Breast FNAC Training Model	<ul style="list-style-type: none"> Feels and biopsies like human tissue 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Must Contains a variety of hyperechoic, hypoechoic, and echolucent masses 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Must Contains 14 masses of varying sizes – ranging from 4mm to 11mm 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Masses should be in central breast tissue and the Tail of Spence 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Should be durable; use for repeated training 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Self healing tissue technology 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Synthetic tissue should never dehydrate 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Should have self healing properties allowing for 1000+ punctures when used with an 18-21 gauge needle. 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Can be used with any ultrasound imaging system with appropriate transducer 	Comply, NO Deviation	
41	IV arm for flow rate measurement	<ul style="list-style-type: none"> Training arm should provide complete venous access for IV therapy and phlebotomy, plus sites for intramuscular and intradermal injections. 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Must have features: 	Comply, NO Deviation	
		<ul style="list-style-type: none"> It should have an extensive 8-line vascular system allowing students to practice venipuncture at all primary and secondary locations, including starting IVs and introducing over-the-needle IV catheters. 	Comply, NO Deviation	
		<ul style="list-style-type: none"> It should have a venous system that simplifies setup with only one external fluid bag supplying artificial blood to all veins simultaneously 	Comply, NO Deviation	
		<ul style="list-style-type: none"> The Dorsal surface of the hand should include injectable metacarpal, digital, and thumb veins 	Comply, NO Deviation	
		<ul style="list-style-type: none"> The antecubital fossa Should include the median cephalic, median basilic, and median cubital veins 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Venipuncture can also be performed along the basilic, cephalic, accessory cephalic, and median antebrachial veins 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Intramuscular injections may be performed in the deltoid muscle and intradermal injection sites are located in the upper arm 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Intramuscular injections into the deltoid muscle are enhanced by the soft, lifelike skin and by the natural bony landmarks in the region. 	Comply, NO Deviation	
		<ul style="list-style-type: none"> It should included IV arm circulation pump that offers a continuous flow of blood in a semi-closed system. 	Comply, NO Deviation	
		<ul style="list-style-type: none"> Includes: 	Comply, NO Deviation	
		<ul style="list-style-type: none"> two pint bottles with simulated blood powder 	Comply, NO Deviation	
		<ul style="list-style-type: none"> three fluid supply bags with pinch clamps 	Comply, NO Deviation	
		<ul style="list-style-type: none"> a 2-oz. bottle of intradermal sealant 	Comply, NO Deviation	
		<ul style="list-style-type: none"> 3 cc syringe with needle 	Comply, NO Deviation	
		<ul style="list-style-type: none"> 12 cc syringe with needle 	Comply, NO Deviation	
		<ul style="list-style-type: none"> 22-gauge needle 	Comply, NO Deviation	
		<ul style="list-style-type: none"> infusion butterfly 	Comply, NO Deviation	
		<ul style="list-style-type: none"> latex adapter 	Comply, NO Deviation	

John



James R. Miller

		<ul style="list-style-type: none"> pinch clamp 	Comply , NO Deviation	
		<ul style="list-style-type: none"> power adapter 	Compl , NO Deviation	
		<ul style="list-style-type: none"> battery power adapter 	Comply , NO Deviation	
		<ul style="list-style-type: none"> tubing assembly 	Comply , NO Deviation	
		<ul style="list-style-type: none"> pump tube replacement 	Comply , NO Deviation	
		<ul style="list-style-type: none"> tubing adapters 	Compl , NO Deviation	
42	Advance Life Support Simulator	The human patient simulator should comprise of a life like male mannequin, integrated with CPR analysis which must be compliant with American Heart Association's guidelines with correct hand placement, depth, and rate of compressions being captured with following specifications:	Comply , NO Deviation	
		It should employ multiple models of validated human physiology including cardiovascular system, pulmonary system, neuromuscular system, and central nervous system.	Comply , NO Deviation	
		<ul style="list-style-type: none"> The models should allow the patient to exhibit clinical signs (e.g., spontaneous breathing, eyelid blinking) and monitored parameters (e.g., electrocardiogram, blood pressure) and should automatically respond to therapeutic intervention without any/ minimal input from the instructor 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have realistic aesthetic, easy to use, true mobility, wireless and tether less manikin 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have Two Platforms (interchangeable genitalia) in one (Easy to convert from male to female) for teaching and training. 	Comply , NO Deviation	
		<ul style="list-style-type: none"> 3D Holograms of anatomy using AR Simulator with HoloLens 	Comply , NO Deviation	
		<ul style="list-style-type: none"> AR should offer visualization the connection between the physiology and external physical changes in a patient in emergency scenarios 	Comply , NO Deviation	
		Neurologic system.	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have realistic eyes with reactive pupils to display different state of pupil : Normal , Dilated and Blown 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Mannequin should have simulated eyes to indicate patient condition for these ailments (Keyhole, Jaundice, Blood shot eye, Cataracts, Haemorrhage and Droopy Eyelid pupils) 	Comply , NO Deviation	
			Comply , NO Deviation	
		Articulation:	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have realistic articulation 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have range of motion in hips, knees, ankles, shoulders 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should have Cervical motion for practice of patient stabilization 	Comply , NO Deviation	
		Airway:	Comply , NO Deviation	
		<ul style="list-style-type: none"> Should allow practice of following techniques: 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Bag valve mask (BVM) ventilation 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Orotracheal and nasotracheal intubation 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Endotracheal, retrograde and fiberoptic intubation and placement of various airway adjuncts 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Transtacheal jet ventilation 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Needle and surgical Cricothyrotomy 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Tracheostomy 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Right mainstem intubation and detection 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Stomach distention with esophageal intubation 	Comply , NO Deviation	
		<ul style="list-style-type: none"> Laryngospasm 	Comply , NO Deviation	
		Breathing:	Comply , NO Deviation	
		<ul style="list-style-type: none"> It should have spontaneous breathing 	Comply , NO Deviation	
		<ul style="list-style-type: none"> It should have bilateral and unilateral chest rise and fall 	Comply , NO Deviation	
		<ul style="list-style-type: none"> It should have lung auscultation sites on anterior chest 	Comply , NO Deviation	



Signature

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	It should have upper airway sounds: Stridor and Gurgling	Comply, NO Deviation
	It should allow practice of bilateral needle decompression	Comply, NO Deviation
	CPR:	Comply, NO Deviation
	• It should be compliant with 2015 AHA guidelines and ERC guidelines	Comply, NO Deviation
	• It should have realistic chest compression depth and resistance	Comply, NO Deviation
	• It should have CPR performance metrics that detects hand placement, rate and depth of compressions, recoil, ventilations and ventilation: compression ratio	Comply, NO Deviation
	IM Medication Administration	Comply, NO Deviation
	• It should have three intramuscular sites: Deltoid and bilateral Vastus lateralis	Comply, NO Deviation
	Cardiac:	Comply, NO Deviation
	• It should have 4 lead ECG monitoring with real patient monitor	Comply, NO Deviation
	• It should have 12-Lead dynamic ECG display	Comply, NO Deviation
	• It should be compatible with Defibrillation, cardioversion and pacing using live equipment via external defib box	Comply, NO Deviation
	Circulation:	Comply, NO Deviation
	• It should have unilateral blood pressure measurement by auscultation and palpation	Comply, NO Deviation
	• It should have bilateral carotid and femoral pulses	Comply, NO Deviation
	• It should have unilateral radial and brachial pulses	Comply, NO Deviation
	• It should have variable pulse strength based on patient condition	Comply, NO Deviation
	Sounds:	Comply, NO Deviation
	• It should have properties of auscultation of normal and abnormal heart, lung and bowel sounds	Comply, NO Deviation
	• It should have simulated stethoscope utilizing radio frequency technology for auscultation of Heart, Lung and Bowel.	Comply, NO Deviation
	• It should have bidirectional audio communication between manikin and operator	Comply, NO Deviation
	Vascular Access:	Comply, NO Deviation
	• It should have Unilateral IV Cannulation at antecubital and dorsum of hand	Comply, NO Deviation
	• It should have ultrasound training module insert for IV Cannulation/PICC	Comply, NO Deviation
	Urinary	Comply, NO Deviation
	• Should allow practice of urinary catheterization without fluids	Comply, NO Deviation
	• It should have interchangeable genitalia	Comply, NO Deviation
	Holographic Software:	Comply, NO Deviation
	• 3D Holograms of anatomy using AR Simulator with HoloLens	Comply, NO Deviation
	AR should offer visualization the connection between the physiology and external physical changes in a patient in emergency scenarios	Comply, NO Deviation
	• Should have below Simulated Clinical Scenarios inbuilt in the system	Comply, NO Deviation
	o Myocardial Infarction	Comply, NO Deviation
	o Pulmonary Embolism	Comply, NO Deviation
	o Sepsis	Comply, NO Deviation
	o Stroke	Comply, NO Deviation
	o Subdural Hematoma	Comply, NO Deviation
	o Tension Pneumothorax	Comply, NO Deviation
	System Should Be Supplied With:	Comply, NO Deviation
	1. Manikin 1 nos.	Comply, NO Deviation
	2. Wireless simulated stethoscope 1 nos.	Comply, NO Deviation
	3. Tablet with integrated software for running simulator and creating various patient scenarios 1 no.	Comply, NO Deviation
	4. Simulated Eye: 1 no.	Comply, NO Deviation
	5. Ultrasound training model insert for peripheral IV cannulation and infusion – 1 nos.	Comply, NO Deviation

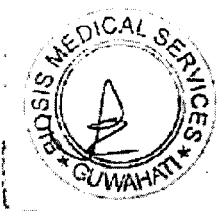


Arjun

Arjun

~~Samuel~~ who shaped the

UNCL 1 Stations	15 nos Modular workstation areas must be provided similar to the picture as shown below	Comply , NO Deviation
		
	Must include electrical & lighting with 15 student chairs & work table	Comply , NO Deviation
	Demonstration Room	
	1. It should accommodate 40-52 people at a time	Comply , NO Deviation
	2. Must be supplied with 4nos foldable narrow long table of rectangular shape of reputed make.	Comply , NO Deviation
	3. Must be supplied with 40nos Student chair with writing Self and cushion and two nos of executive chair.	Comply , NO Deviation
	4. The room should be equipped with 1 no large 70" LED interactive board	Comply , NO Deviation
	5. Must include audio-visual system including Microphone, speaker and audio amplifier system which must be integrated with LMS for debriefing the skills and scenarios	Comply , NO Deviation
	6. Sound proofing of the room is also included if required.	Comply , NO Deviation
	7. Must have adequate no of lockable Storage racks to store the task trainers	Comply , NO Deviation
	M/S Mannequin Room & other Full patient model mannequin	
	1. Must have all the facility like ICU bed, and other furniture's	Comply , NO Deviation
	2. Must have control room	Comply , NO Deviation
	3. Must have no of work table, Executive chair, Control system must be a part of the system	Comply , NO Deviation
	Furniture	
	1. As mentioned above in room wise	Comply , NO Deviation
	2. Chairs and table for reception Area	Comply , NO Deviation
	3. Executive Table & chairs for Office room	Comply , NO Deviation
	4. Storage lockers for storage area	Comply , NO Deviation



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Signature
Signature

MANUFACTURERS' AUTHORISATION FORM

To,
The Director,
North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences,
NEIGRIHMS,
SHILLONG

Dear Sirs,
Ref. Your GEM Tender document No GEM/2023/B/3531808 dated 05.06.2023

We, **M/S CAE HEALTHCARE, Inc.** who are proven and reputable manufacturers of the above said equipment and authorized for marketing the goods offered in the bid and having factories at 6300 Edgelake Drive, Sarasota, Florida 34240, USA, hereby authorize **Messers BIOSIS MEDICAL SERVICES**, with business office at H.No 96, Bye Lane No 4, B.K. Kakoti Road, Ulubari, Guwahati-07, to submit a tender, and process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us for this specific tender (**GEM Tender document No GEM/2023/B/3531808 dated 05.06.2023**).

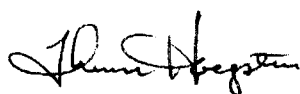
We further confirm that no supplier, firm, or individual other than Messrs. BIOSIS MEDICAL SERVICES is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above-referred TE documents for the above goods manufactured by us for this specific tender.

Our other responsibility include:

- i) We undertake that we will provide service/spares/accessories etc. through our agent as per terms and conditions of the contract.
- ii) We undertake that in case of any changes of Dealer/Agent, we will inform the Purchaser about the award of dealership to new agent with address and telephone no.

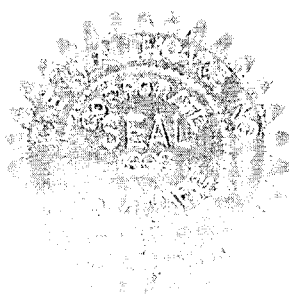
Yours faithfully

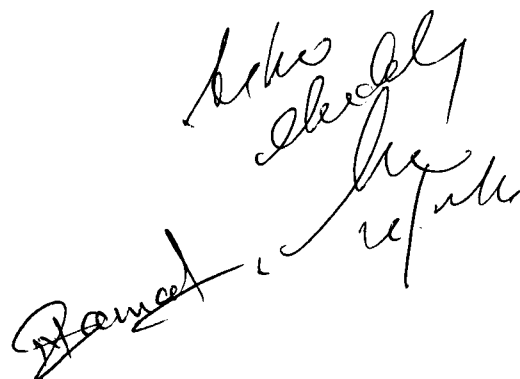
For **CAE Healthcare, Inc.**



Theresa Hoegstrom
Legal- Contract Administrator

For and on behalf of Messers CAE Healthcare, Inc.
6300 Edgelake Drive, Sarasota, FL 34240 USA





CAE Healthcare, Inc.

6300 Edgelake Drive, Sarasota, FL 34240 USA | Tel: +1 941-377-5562 | www.caehealthcare.com

Dated: June 9, 2023

MANUFACTURERS' AUTHORISATION FORM

To,
The Director,
Northeastern Indira Gandhi Regional Institute of Health and Medical Sciences,
NEIGRIHMS,
SHILLONG

Dear Sirs,
Ref. Your GEM Tender document No GEM/2023/B/3531808 dated 05.06.2023

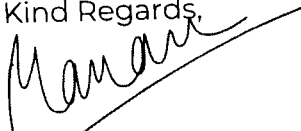
We, Nasco Healthcare Inc who are proven and reputable manufacturers of simulators, manikins and task trainers, having factories at 16 Simulaid Drive, Saugerties, New York, 12477, USA and 600 W. Rockwell Av, Fort Atkinson, Wisconsin 53638, USA hereby authorize Messrs. BIOSIS MEDICAL SERVICES, with business office at H.No 96, Bye Lane No 4, B.K. Kakoti Road, Ulubari, Guwahati-07 to submit a tender, and process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We further confirm that no supplier, firm, or individual other than Messrs. BIOSIS MEDICAL SERVICES is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above-referred TE documents for the above goods manufactured by us.

Our other responsibility include:-

- i) We undertake that we will provide service/spares/accessories etc. though our agent as per terms and conditions of the contract.
- ii) We undertake that in case of any changes of Dealer/Agent, we will inform the Purchaser about the award of dealership to new agent with address and telephone no.

Kind Regards,



Manan Kalia
Director – Middle East, Africa, and South Asia
Email: mkalia@nascohealthcare.com
Mobile: +971-563272692 (UAE)



NOTE: Your business is important to us. Please buy Nasco Healthcare products from an Authorized in-country distributor/representative.

16 Simulaid Drive, Saugerties NY 12477
E-310/2, Dubai Silicon Oasis HQ, Dubai, UAE
1-833-NASCOHC (627-2642) • info@nascohealthcare.com • www.nascohealthcare.com • www.nascohealthcareglobal.com

MANUFACTURERS' AUTHORISATION FORM

To,
The Director,
North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences,
NEIGRIHMS,
SHILLONG

Dear Sirs,

Ref. Your GEM Tender document No GEM /2023/B/3531808 dated 05.06.2023

We, TruCorp Limited, who are proven and reputable manufacturers of TruCorp simulation manikins and trainers, having factories at 33 Waringstown Road, Lurgan, Co. Armagh, BT667HH, UK, hereby authorize Messrs. BIOSIS MEDICAL SERVICES, with business office at H.No 96, Bye Lane No 4, B.K. Kakoti Road, Ulubari, Guwahati-07 to submit a tender, and process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We further confirm that no supplier, firm, or individual other than Messrs. BIOSIS MEDICAL SERVICES is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above-referred TE documents for the above goods manufactured by us.

Our other responsibility include:-

- i) We undertake that we will provide service/spares/accessories etc. through our agent as per terms and conditions of the contract.
- ii) We undertake that in case of any changes of Dealer/Agent, we will inform the Purchaser about the award of dealership to new agent with address and telephone no.

Yours faithfully,

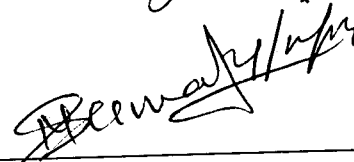
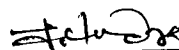
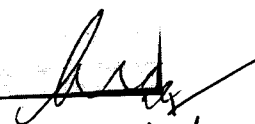


Neal Kirk
International Business Development
TruCorp Limited
22nd June 2023

 **trucorp**

For and on behalf of Messrs

TruCorp Limited
33 Waringstown Road
Lurgan
Co. Armagh
BT667HH
UK



Manufacturer's Authorization Form (MAF)

Date: 23-08-2023

To

The Director (Neigrihms)
North Eastern Indira Gandhi Regional Institute Of Health And Medical Sciences (neigrihms)
Neigrihms, Shillong

MAF Number: PUCL/VC/2023-24/BID/220822

Subject: - Authorization against Bid No.: GEM/2023/B/3531808 Dated : 05-06-2023

Dear Sir,

We, at **PeopleLink Unified Communications Pvt. Ltd.**, having our registered office at **Q3, A3, 10th Floor, Cyber Tower, HiTech City, Hyderabad (Telangana, India) - 500081**, are the pioneers in the field of modern video conferencing. Founded in 2007, We emerged as India's first ISO 9001-2015 & ISO/IEC 27001:2013 certified Video Conference Company with the aim to unleash the power of virtual collaboration for the smarter Governance.

We hereby authorize "**BIOSIS MEDICAL SERVICES**" having registered office at "**B. K Katoti Road, 4th Bye lane, House no 96, Near DGP Office, Ulubari, Guwahati-781007.**" to represent us to Position & Promote "PeopleLink" Equipments on the Government eMarketplace.

We hereby extend our standard guarantee and warranty in accordance with the General Conditions of Contract, with respect to the Goods offered by the above firm in reply to this Invitation for this RFQ.

Category: Interactive Displays and Accessories, Video Conferencing Camera, Audio Digital Signal Processor, Speakers and LMS Software.

faithfully,

Authorized Signatory
For PeopleLink Unified Communications Pvt. Ltd.



Name:- Bhargava Reddy
Designation:- Associat- Pre Sales
Email: Bhargavareddy@peoplelinkvc.com
Place:- Hyderabad

[Handwritten signatures]

OT/G-1065/2023-24/CLT 24/11/23
Contract|अनुबंधContract No|अनुबंध क्रमांक: GEMC-511687720533054
Generated Date|अनुबंध तिथि: 20-Dec-2023
Bid/RA/PBP No.|बोली/आरए/पीबीपी संख्या: GEM/2023/B/3531808

Organisation Details|संगठन विवरण

Type|प्रकार: Central Autonomous
Ministry|मंत्रालय: Ministry of Health and Family Welfare
Department|विभाग: Department of Health and Family Welfare
Organisation Name| North Eastern Indira Gandhi Regional Institute of Health and
संगठन का नाम: Medical Sciences (NEIGRIHMS)
Office Zone|कार्यालय क्षेत्र: Neigrihms, Shillong

Buyer Details|खरीदार विवरण

Designation|पद: Stores and Procurement Officer
Contact No.|संपर्क नंबर: 0364-2539032-213
Email ID|ईमेल आईडी: harendra.dey@nic.in
GSTIN|जीएसटीआईएन: N
Address|पता: P.O. NEIGRIHMS, Mawdiangdiang, Shillong,
EAST KHASI HILLS, MEGHALAYA-793018, India

Financial Approval Detail|वित्तीय स्वीकृति विवरण

IFD Concurrence|आईएफडी सहमति: Yes
Designation of Administrative Approval|प्रशासनिक अनुमोदन का पदनाम: Director, NEIGRIHMS
Designation of Financial Approval|प्रशासनिक अनुमोदन का पदनाम: DDA and DDO -C-1016/2023-24 F.N. NEIGR/S&P/M-08/2021-22
वित्तीय अनुमोदन का पदनाम: C-1016/23-24/CLT 24/11/23

Paying Authority Details|भुगतान प्राधिकरण विवरण

Role: PAO
Payment Mode|भुगतान का तरीका: Offline
Designation|पद: Deputy Director (Admn) and DDO
Email ID|ईमेल आईडी: david.t.umdor@gmail.com
GSTIN|जीएसटीआईएन: N
Address|पता: P.O. NEIGRIHMS, Mawdiangdiang, Shillong,
KHASI HILLS EAST, MEGHALAYA-793018, India

Seller Details|विक्रेता विवरण

GeM Seller ID|जेम विक्रेता आईडी: AFC3190000810439
Company Name|कंपनी का नाम: Biosis Medical Services
Contact No.|संपर्क नंबर: 09706080206
Email ID|ईमेल आईडी: biosismedical@gmail.com
Address|पता: HNO 96,4th Bye Lane B K Kakoti Road,Ulubari,
Guwahati, assam-781007. -
MSME verified|एमएसएमई सत्यापित: No
MSME Registration number|एमएसएमई पंजीकरण संख्या: -
GSTIN|जीएसटीआईएन: 18ABZPA0454A1ZX

*GST / Tax invoice to be raised in the name of|जिसके नाम के पक्ष में GST/TAX इनवॉइस पेश किया जाएगा - Consignee

Delivery Instructions|वितरण निर्देश: NA

Product Details|उत्पाद विवरण

#	Item Description आइटम विवरण	Ordered Quantity आइटम विवरण	Unit इकाई	Unit Price (INR) इकाई मूल्य (INR)	Tax Bifurcation (INR) कर विभाजन (INR)	Price (Inclusive of all Duties and Taxes in INR) मूल्य (INR में सभी शुल्क और कर सहित)
1	Product Name उत्पाद का नाम: Setting Up of Skill Lab Brand ब्रांड: CAE NASCO AND OTHERS Brand Type ब्रांड प्रकार: Unbranded Catalogue Status कैटलॉग की स्थिति: Catalogue not verified by OEM Selling As कैसे बेचा जा रहा है: Reseller not verified by OEM Category Name & Quadrant श्रेणी का नाम और चतुर्थांश: Setting Up of Skill Lab (Q3) Model मॉडल: Skill Lab HSN Code एचएसएन कोड: 9023	1	set	47,900,000*	GST जीएसटी (18%): 7,306,779.661 GST Cess 1 जीएसटी उपकर 1 (0%): 0 GST Cess 2 जीएसटी उपकर 2 (0 per accounting unit): 0 Input Tax Credit (ITC) on GST जीएसटी पर इनपुट टैक्स क्रेडिट (आईटीसी): - ITC on GST Cess 1 जीएसटी उपकर पर आईटीसी 1: - ITC on GST Cess 2 जीएसटी उपकर पर आईटीसी 2: -	47,900,000

Total Order Value|कुल ऑर्डर मूल्य (in INR)

Consignee Detail|परेषिती विवरण

S.No क्र.सं.	Consignee परेषिती	Item वस्तु	Lot No. लॉट नंबर	Quantity मात्रा	Delivery Start After दिनांक के बाद डिलीवरी शुरू करना है	Delivery To Be Completed By वितरण पूर्ण कब तक करना है
1	Designation पद: - Contact संपर्क: 0364-2538044	Setting Up of Skill Lab		1	20-Dec-2023	17-Jan-2024

PO03240011/NEIGR/S&P/M/005/2023-24/GEMC-511687720533054
Setting Up of Skill Lab

GSTIN | जीएसटीआईएन : -
Address | पता : P.O. NEIGRIHMS, Mawdiangdiang, Shillong,
EAST KHASI HILLS, MEGHALAYA-793018, India

Product Specification for Setting Up of Skill Lab

Specification विनिर्देश	Sub-Spec उप-विनिर्देश	Value मूल्य
Custom Specification	Custom Specification	Yes

Comprehensive maintenance charges for | व्यापक रखरखाव के लिए शुल्क Setting Up of Skill Lab

Service Year सेवा वर्ष	CMC Percentage सीएमसी प्रतिशत	Tax Bifurcation कर विभाजन
CMC charges for 1 st year after warranty period in % of cost of equipment	4%	GST जीएसटी: 18% GST Cess 1 जीएसटी उपकर 1: 0% Input Tax Credit (ITC) on GST जीएसटी पर इनपुट टैक्स क्रेडिट (आईटीसी): - ITC on GST Cess 1 जीएसटी उपकर पर आईटीसी 1: -
CMC charges for 2 nd year after warranty period in % of cost of equipment	4%	
CMC charges for 3 rd year after warranty period in % of cost of equipment	4%	
CMC charges for 4 th year after warranty period in % of cost of equipment	4%	
CMC charges for 5 th year after warranty period in % of cost of equipment	4%	

Seller Specification Document | विक्रेता विशिष्टता दस्तावेज़:

1. SpecificationDocument1	mkp.gem.gov.in/catalog_data/catalog_support_document/26/76/421/CatalogAttrs/SpecificationDocument/2023/7/14/2023_07_14_15_23_59_all_brochures_2023-07-14-15-24-06_bba89d73b74e06ab1a9c2bc032030f12.pdf
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Buyer Specification Document | खरीदार विशिष्टता दस्तावेज़:

1. SpecificationDocument	mkp.gem.gov.in/catalog_data/catalog_support_document/buyer_documents/52738/54/78/703/CatalogAttrs/SpecificationDocument/2023/6/5/skill_2023-06-05-17-59-47_4c911bb8411fa1797a3b1a93e0c7d78f.pdf
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Corrigendum | सुद्धिपत्र

- Extended Upto | तक बढ़ाया गया : 2023-07-03 14:00:00
- Extended Upto | तक बढ़ाया गया : 2023-07-10 14:00:00
- Extended Upto | तक बढ़ाया गया : 2023-07-14 14:00:00
- Extended Upto | तक बढ़ाया गया : 2023-07-21 14:00:00
- Extended Upto | तक बढ़ाया गया : 2023-07-28 14:00:00
- Extended Upto | तक बढ़ाया गया : 2023-08-04 14:00:00
- Extended Upto | तक बढ़ाया गया : 2023-08-10 14:00:00
- Extended Upto | तक बढ़ाया गया : 2023-08-14 14:00:00
- Extended Upto | तक बढ़ाया गया : 2023-08-19 14:00:00
- Extended Upto | तक बढ़ाया गया : 2023-08-22 14:00:00
- GeM-Bidding-Corr-4858454-21.pdf : [click here](#) | यहां क्लिक करें
- Extended Upto | तक बढ़ाया गया : 2023-08-24 14:00:00

Additional Clauses for CMC | सीएमसी के लिए अतिरिक्त खंड

- CMC shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, after satisfactory completion of Warranty. During the CMC period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months or as per user requirement. Cost of consumables shall not be included in CMC. Further there will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.
- CMC charges to be indicated as percentage of cost of equipment quoted for each year after the warranty period.
- GST shall be included in the CMC Charges quoted.
- Cost of CMC will be added for Ranking/Evaluation purpose with depreciation formula. A 10% discounting rate per year shall be applied on CMC Charges for price evaluation on Net Present Value.
- The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user.
- While creating a bid or RA, buyers shall indicate whether CMC is required against Yes/No" options. If CMC Charges are included, an option for number of years for CMC required after the warranty period shall be available. Under this option up to 10 years can be chosen for CMC charges beyond warranty period.
- In case the bid has a provision for CMC, the warranty of the product will also be deemed to have been converted into Comprehensive warranty including preventive maintenance and calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, during the Warranty Period also. Sellers are therefore advised to include the cost of Comprehensive Warranty including spares (excluding consumables) also in product Cost.
- The CMC functionality shall be available in bid only and no direct RA shall be applicable. In case of bid to R/A decrement rules shall be applicable on total price inclusive of CMC charges. Bunching of products shall not be available while creating bids with CMC charges.

8.1. Buyer shall indicate number of years of warranty by selecting different options available in the field depending on warranty parameter applicable in category parameters for the equipment. No. of years of warranty indicated here shall supersede the warranty period indicated elsewhere in bid or product specifications. The applicable, if 5 year CMC selected:

PO03240011-NEIGRIHMS Bid 1065/2023-24-GE CMC-611687720538054

CMC charges for 1st year after warranty period- Percentage to be indicated- A1
CMC charges for 2nd year after warranty period- Percentage to be indicated- A2
CMC charges for 3rd year after warranty period - Percentage to be indicated- A3
CMC charges for 4th year after warranty period - Percentage to be indicated- A4
CMC charges for 5th year after warranty period - Percentage to be indicated- A5

Similarly, A6 to A10 are to be indicated for 6th to 10th year of CMC if applicable.

8.2.The calculation of CMC Charges shall take into account the number of years of warranty and duration of CMC as specified while creating bid.

8.3.In the price evaluation, the system shall provide function to calculate the cost of each equipment by formula indicated below including CMC and then show the inter-se-ranking of the bidders. The following are the variables

- Number of years for which CMC required.
- Number of years of product warranty

The formula for calculating total cost including CMC charges shall be as under:

Total Cost for evaluation=

$C + C * \{ (A1/100) / (1.10^n) + (A2/100) / (1.10^{n+1}) + (A3/100) / (1.10^{n+2}) + (A4/100) / (1.10^{n+3}) + (A5/100) / (1.10^{n+4}) \}$ and so on

C - Cost for equipment quoted and n shall be number of years of product warranty specified.

If 2 year warranty specified, n shall be 2 and if 5 year warranty specified, n shall be 5. A1, A2, A3, A4 & A5 shall depend on how many years CMC selected. For 3 year CMC, only A1, A2 and A3 factors are to be taken into account and A4 and A5 will not be applicable.

8.4.CMC charges offered for each subsequent year should be same or higher than preceding year.

8.5.The CMC charges shall be offered within range of 3 to 10% of cost of equipment.

9.Since CMC charges are to be paid only later for each year during CMC period, applicable performance guarantee amount after placement of contract shall be based on the cost of equipment excluding the cost of CMC Charges.

10.Performance bank guarantee applicable for CMC is to be submitted at start of the CMC and shall be applicable between 2.5% to 10% as specified in bid on total CMC Charges. The PBG submitted after award of contract shall be released only after new PBG for the CMC period is submitted and accepted by buyer/consignee after due verification. Bank guarantee for CMC is to remain valid till completion of CMC period plus one year. The bank guarantee for CMC shall be submitted to buyer directly. In case, seller fails to submit the PBG or does not provide services for the CMC contract after expiry of warranty period then PBG of equipment shall be forfeited.

11.In case of splitting of order quantity, equipment cost and CMC charges offered by L1 bidder shall be matched by higher quoting eligible bidders on one-to-one basis. The equipment cost and CMC charges (year to year) shall be matched individually.

12.The CMC Contract shall be an offline contract to be handled by buyer. The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user and scope of CMC will be as per para 1 above.

Buyer Added Bid Specific Additional Scope of Work | खरीदार द्वारा जोड़ी गई बोली का विशिष्ट अतिरिक्त कार्य

S.No क्र.सं	Document Title दस्तावेज़ का शीर्षक	Description विवरण	Applicable i.r.o. Items लागू आईआरओ सामान
1	scope of Work View	SITC and Other turnkey works	Setting Up Skills Lab At Under Graduate Medical College(1)

ePBG Detail | ईपीबीजी विवरण

Advisory Bank सलाहकार बैंक :	Bank Of Baroda
ePBG Percentage(%) ईपीबीजी प्रतिशत (%) :	3.00
The bidder shall furnish ePBG as applicable as per bid's terms and conditions बोली लगाने वाले को बोली के नियमों और शर्तों के अनुसार लागू ईपीबीजी प्रस्तुत करना होगा	

General Clauses w.r.t RCM/FCM | आरसीएम/एफसीएम के संबंध में सामान्य खंड

- Where ever RCM is applicable, for sellers (Regular GST registered seller who opted out of FCM as per notifications of GST like GTA , unregistered seller), Buyer have liability of paying the GST and GST cess to the government on the specified rate mentioned by them in this contract. Seller will invoice buyer with Zero GST and GST cess.
- For Registered sellers as per FCM, rates will be inclusive of prescribed rate of GST and GST cess. ITC available to buyer as shown in the bid document have been applied while evaluating the bids. Seller has liability of paying the GST and GST cess to the govt and same will be charged from buyer while invoice.
- For Registered sellers who opted for RCM while quoting for specified category under section 9(3) like GTA rates will be exclusive of GST and GST cess. GST and GST cess as indicated by the buyer in the bid document payment of GST and GST Cess will be the liability of buyer.
- For Unregistered sellers Liability of payment of GST and GST cess is in Buyers scope. GST and GST cess as indicated by the buyer in the bid document will be the liability of buyer . Unregistered seller will invoice buyer with zero GST and Zero GST cess.
- For sellers under Composition Scheme: There is no liability of payment of GST and GST cess in Buyers cope. Seller will invoice Zero GST and GST cess in the invoice to buyer.

Terms and Conditions | नियम और शर्तें

1. General Terms and Conditions-

1.1 This contract is governed by the General Terms and Conditions, conditions stipulated to this Product/Service as provided in the Marketplace.

1.2 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable

2. Buyer Added Bid Specific Terms and Conditions-

2.1 Buyer Added Bid Specific ATC:
Buyer Added text based ATC clauses

(A) Scope of work & Document details

- A** Following mandatory documents must be attached in the bid document as specified, failing which bid will be treated as "Non-Responsive"
- 1 The bidder must quote the price of per year CMC from 6th to 10th year in the "financial document" & the value should not be more than 5% of the total bid per year.
- 2 Documents with regard to Details compliance statement to be attached At "Additional Doc 2(Requested in ATC)"
- 3 Documents with regard to Original Literature, Product catalogue, Technical datasheet from the firm/O.E.M with Highlighting as per the technical specification must attach At "Additional Doc 3(Requested in ATC)"
- 4 Documents with regard to list of Offering/Quoted items mentioning make, model & quantity of each items must be "Additional Doc 4(Requested in ATC)"
- 5 Component wise pricing listed at **Annexure I** must be submitted in the "Financial Document". Not in technical Bid
- B** Warranty and Maintenance
- 1 Warranty for 5 years including Spares & service for all the items supplied in this particular tender including third-party items and turnkey works and UPS With Battery.
- 2 Mandatory 2 PMs / Year with unlimited breakdown calls has to be attended by the Bidder/manufacturer throughout the warranty & CMC period at site, i.e. NEIGRIHMS, SHILLONG.
- 3 Duly signed Mandatory PM reports has to be submitted periodically, failing which necessary action will be initiated as per term & condition of the tender.
- C** Scope of work
- 1 The bidder has to mandatorily quote for all the items /stores mentioned in the Technical Specification & Scope of Work, failing which bid will be treated as "Non-Responsive"
- D** E-bidder have to adhere to Government of India, Ministry of Finance, PPD division Public procurement order OM F.No.6/18/2019-PPD dated 23rd July, 2020 inserting Rule 144(Xi) in GFR 2017, No 1 dated: 23/7/2020 and subsequent Orders No 2 & 3 or as amended from time to time, failing which the bids shall be treated as non-responsive.

(B). Qualification Criteria

1. Supply, Installation, Testing, Commissioning of SITC of Clinical Skill Lab /clinical Simulators on a turnkey basis at NEIGRIHMS, Shillong.

2. Yearly business turnover of Rs. 135 lakhs or above for last 3 (Three) years. Chartered Accountant Certificate should be provided in support of this.

3. The tenderer must be a manufacturer. In case the manufacturer does not quote directly, they may authorize their authorized agent as per pre-form of Manufacturer authorization form as given in the tender enquiry document to quote and enter into a contractual obligation. The tenderers quoting as authorized representative of the manufacturer in the related field and should obtain documents three years of experience from principals/manufacturer.

urder fulfilling the requirements in respect of condition mentioned, taking full responsibility of technical support, service and organizational support.

4. Minimum 3 years of experience of having successfully completed /executing similar Supply, Installation, Testing, Commissioning & integration of SITC of Clinical Skill Lab /clinical Simulators services and specified supporting systems.

5. Based on CVC guidelines, the bidder should have Experience of having successfully completed /executed similar Supply, Installation, Testing, Commissioning of SITC of Clinical Skill Lab /clinical Simulators in at least one project in major Government/Corporate/ or Educational Institutes with total gross work order value (may include one or multiple orders of the same project units) equivalent to 80 % of the estimated (certificate of successful completion, running and commissioning from the same project should be submitted along with the offer) Or at least two projects similar Supply, Installation, Testing, Commissioning of SITC of Clinical Skill Lab /clinical Simulators in major Government/Corporate/ or Educational Institutes with total gross work order value (may include one or multiple orders of the same project units) equivalent to 50 % of the estimated (certificate of successful completion, running and commissioning from the same project should be submitted along with the offer) Or at least three projects similar Supply, Installation, Testing, Commissioning of SITC of Clinical Skill Lab /clinical Simulators in major Government/Corporate/ or Educational Institutes with total gross work order value (may include one or multiple orders of the same project units) equivalent to 40 % of the estimated (certificate of successful completion, running and commissioning from the same project should be submitted along with the offer), during last 7 (seven) years' time, considering the closing date of invitation of bids of the present tender under

6. Consideration or last date of receipt of bids for this tender. The value of the executed works shall be brought to the current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to last date of receipt of bids for this tender.

7. Example/Clarification: Similar Project means for Supply, Installation, Testing, Commissioning of SITC of Clinical Skill Lab /clinical Simulators comprising of one or multiple work order for project from major Government/Corporate/International Hospital, meeting major technical parameters of the current BOQ floated in the tender enquiry document.

8. In case of authorized agents, manufacture's completed /executed projects with documentary evidence may be considered for sl no no.3, 4 and 5 mentioned above of the tender document.

9. Notwithstanding anything stated above, the Purchaser reserves the right to assess the Tenderer's capability and capacity to perform the contract satisfactorily before deciding on award of Contract, should circumstances warrant such an assessment in the overall interest of the Purchaser.

10. The Purchaser reserves the right to ask for a free demonstration of the quoted equipment at a pre-determined place acceptable to the purchaser for technical acceptability as per the tender specifications.

(C) Buyer Added Bid Specific Terms and Conditions

1. Scope of work

- i. The bidder has to mandatorily quote for all the items /stores mentioned in the Technical Specification & Scope of Work, failing which bid will be treated as "Non-Responsive".
- ii. Prices of all accessories need to be clearly indicated as % of the total price in the technical bid Technical Bid ATC1/2 and will be considered for evaluation as in BOQ or else bid will be treated as "non responsive".

2. Generic

End User Certificate: Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

3. Generic

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

IT equipment shall be IPv6 ready from day one.

5. Generic

Installation, Commissioning, Testing, Configuration, Training (As applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorized Reseller.

6. Generic

Upload Manufacturer authorization: Wherever Authorized Distributors are submitting the bid, Manufacturers Authorization Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail id and Phone No. required to be furnished along with the bid.

7. Generic

The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price: All the items and accessories as per Technical Specification.

8. Generic

The Buyer has an existing set up / inventory of similar products. The offered / supplied product must be compatible with existing system. The bidder has to ensure Compatibility of the supplied items or shall have to include in the supply the necessary hardware / software to make them compatible at no extra cost to the buyer. The details of items with which compatibility is required are as under: all the spares including UPS, PC, battery, Printer, Probes & upgradation of System Software & third party Software

9. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods, Training of operators and providing Statutory Clearances required (if any)

10. Turnover

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

11. Turnover

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

12. OEM

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

13. Purchase Preference (Centre)

As per DPIIT notification at the time of e-tender, bidding or solicitation the bids shall be required to indicate percentage of local content and provide self-certification (by Director/ Company Secretary) and also give details of the location/s at which value addition is made. Since the bidder here is not the local supplier, the same was required to be obtained from the "Class-I local supplier /Class II local supplier"

Further the details of Calculations of local content areas under:

Question 1. How to calculate Local Content?

Local content' means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

Mathematically,

Local content = (Sale price - Value of imported content) * 100/ Sale price

Where, "Sale price" means price excluding net domestic indirect taxes and "Value of imported content" means price of imported content inclusive of all customs duties

Question2. How to calculate Local Content in bids involving supply of multiple items from single bidder?

Answer: In case of bids requiring supply of multiple items (say "X1", "X2" and "X3") by a single bidder, the local content in the bid shall be

Local content = ((Sale price of "X1" - Value of imported content in "X1") + (Sale price of "X2" - Value of imported content in "X2") + (Sale price of "X3" - Value of imported content in "X3")) * 100/ (Sale price of "X1" + Sale price of "X2" + Sale price of "X3")

14. Service & Support

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service centre is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

15. Service & Support

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

16. Service & Support

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

17. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates/ documents sought in the Bid document, ATC and Corrigendum if any.

18. Certificates

The bidder or the OEM of the offered products must have BIS/WHO-GMP/ CDSCO Indian certification or alternate certification as recognized by Government of India

19. Certificates

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

20. Certificates

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

21. Certificates

To be eligible for award of contract, Bidder/ OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid): All the quality & electrical safety certificates.

22. Warranty

Warranty period of the supplied products shall be 5 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

23. Warranty

Over and above the normal Warranty terms as per GeM GTC, the successful bidder / OEM shall have to provide Comprehensive Warranty during the entire Standard warranty period as per contract. : The comprehensive warranty shall all be covering the following scope all the spares including UPS, PC, battery, Printer, Probes & upgradation of System Software & third party Software (Upload an undertaking with the bid confirming compliance by the bidder if Bidder is taking onus of this compliance. In case OEM is taking onus of this compliance, OEM undertaking is to be uploaded along with Bidder undertaking)

24. Warranty

Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

25. Warranty

Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 3 days' time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

26. Past Project Experience

For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:

- a. Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
- b. Execution certificate by client with order value.
- c. Any other document in support of order execution like Third Party Inspection release note, etc.

27. Past Project Experience

The Bidder / OEM (themselves or through reseller(s)), should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and two previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

28. Forms of EMD and PBG

Bidders can also submit the EMD with Account Payee Demand Draft in favour of NEIGRIHMS EMD SECURITY DEPOSITS payable at MAWDIANGDIANG, SHILLONG-793018, MEGHALAYA. Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within Bid End date & time / Bid Opening date & time.

Buyer). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within Bid End date & time / Bid Opening date & time.

30. Forms of EMD and PBG

Bidders can also submit the EMD with Banker's Cheque in favour of NEIGRIHMS EMD SECURITY DEPOSITS payable at MAWDIANGDIANG, SHILLONG-793018, MEGHALAYA. Bidder has to upload scanned copy / proof of the BC along with bid and has to ensure delivery of hardcopy to the Buyer within Bid End date & time / Bid Opening date & time.

31. Forms of EMD and PBG

Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name NEIGRIHMS EMD SECURITY DEPOSITS Account No. 30270200000027 IFSC Code BARB0MAWDIA Bank Name BANK OF BARODA Branch address MAWDIANGDIANG, SHILLONG-793018, MEGHALAYA. Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.

32. Forms of EMD and PBG

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of NEIGRIHMS EMD SECURITY DEPOSITS payable at MAWDIANGDIANG, SHILLONG-793018, MEGHALAYA. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

33. Forms of EMD and PBG

Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of NEIGRIHMS EMD SECURITY DEPOSITS A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.

34. Forms of EMD and PBG

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name NEIGRIHMS EMD SECURITY DEPOSITS Account No. 30270200000027 IFSC Code BARB0MAWDIA Bank Name BANK OF BARODA Branch address MAWDIANGDIANG, SHILLONG-793018, MEGHALAYA. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

35. RELATIONSHIP CERTIFICATE in Bidders Letter Head with detail Declaration must be submitted in the following format.

"It is certified that I/we, the undersigned, do (With Detail name & details)/do not have relationship with any of the employees working at NEIGRIHMS. The above statement is true and is submitted against the Gem Tender Enquiry No. _____ Dated _____, Date: _____ (Signature)
e) Name of the Company/Firm Seal

D) 36. Additional Terms and conditions & Scope of Work for CMC

Tenderer/Vendors/contractor should note that the following terms and conditions will apply specifically in addition to the Rules and the Regulation as applicable to such provide services in the Government of India.

1. Comprehensive Annual Maintenance Contract must include Labour, spares & Preventive Maintenance of all the excluding of battery, Accessories/Consumables
2. The terms and conditions of the tender and the agreement executed will be binding on the vendor/contractor. This offer is being issued in accordance with the terms & conditions of NEIGRIHMS /Government of India and in the manner specified herein shall operate to create a specific contract between the vendor/contractor (with whom the contract referred to) on one part and NEIGRIHMS, Shillong, on the other part.
3. The required spares to be replace must be genuine and certified from the OEM.
4. Repairs to be undertaken should be within specified configuration and maintaining the integration on internal circuit of equipment, any deviation on configuration/ specification the repair will not be acceptable. After repairs, a certificate to the effect that the equipment is in working order and safe for patient care and non-hazardous for the handler shall be submitted by the CMC holder.

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5. Tenderer/Vendors/contractor is responsible to provide electrical and patient safety certificate after major repair

- of equipment which are used for direct patient care.
6. The system must be checked & calibrated after every spare changes and detail service report must be submitted to the user & BME.
 7. 2 nos of Periodic preventive maintenance is mandatory irrespective of unlimited service /breakdown calls.
 8. Same /Similar Standby system must be provided by the bidder if the system needs to send to workshop for any major repair.
 9. Receipt of this offer may be acknowledged and a copy duly signed/stamped by the authorized signatory should be submitted before finalization of the agreement.
 10. The Performance security shall be denominated in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any nationalized bank in India or Bank Guarantee issued by a nationalized bank in India, pledge in favor of Deputy Director, NEIGRIHMS, and Shillong-793018 for an amount equivalent to 3% of the total cost of annual CMC. The validity of the Fixed Deposit receipt or Bank Guarantee will be upto 2 months beyond CMC period.
 11. It may also be noted that there should be no negligence in providing services of any type, if any, complaint is received the contract will be terminated with immediate effect.

12. There will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period. The vendor shall ensure optimum uptime of the system during CMC period, failing which the initiator shall initiate stern action, as deemed fit.
13. During Comprehensive Maintenance Contract period, the supplier shall visit at each consignee's site for preventive maintenance including testing and calibration as per the manufacturer's service/ technical/ operational manual. The supplier shall visit each consignee site as recommended in the manufacturer's manual, but at least once in 6 months commencing from the date of the successful completion of warranty period for preventive maintenance of the goods.
14. Processing of bill may be considered on yearly basis with satisfactory report from the user department. The AM C/CMC bills should be certified by the concerned Head of the Department/ In-Charge, BME and the respective DM S/MS/Dean/Principal Medical College /Incharge Skill lab.
15. Software updates should be provided free of cost during CMC. The first service call by the team of service engineers should be within 7 days of issue of this order.
16. Settlement of disputes - Director, NEIGRIHMS or his authorized representative shall be the final authority in all disputes and decision will be binding on all concerned.
17. All other terms & conditions are as per award of contract mentioned in pre-page.
18. Bidders are required to sign the CMC contract agreement within 15 (fifteen) days from the issue of the letter of award/supply order, failing which EMD/security deposit may be forfeited or Contract declared null and void.

Annexure I

List of Equipment for UGMC Skill Lab				
Sl. No.	Description	QTY	Make	Model
1	All-purpose Adult patient care simulator	1		
2	All-purpose paediatric patients care simulator	1		
3	Adult Lumbar Puncture Simulator	2		
4	Knee for Injection & aspiration	1		
5	Female Catheterization simulator	4		
6	Male Catheterization simulator	4		
7	Intramuscular Injection of Upper Arm	4		
8	Vein puncture training arm with circulation vein	4		
9	Multipurpose injection trainer intradermal injection, subcutaneous injection and intramuscular tissue injection	3		
10	Central venous catheterization simulator	2		
11	Intraosseous infusion & femoral access Leg	4		
12	Prostate Examination Simulator	2		

13	Multipurpose clinical centasis	2		
14	Episiotomy suturing trainer	2		
15	Simulator for Pelvic Examination, Gynaecological Simulator with IUD	1		
15(b)	Simulator for IUD Insertion	4		
16	Intra Aural Examination Trainer	2		
17	Simulator for neonate care	1		
18	Infant IV Arm	2		
19	Paediatric Lumbar Puncture Simulator	2		
20	Suture practice trainer (Complete)			
	A. Advanced Surgical Suture Training Arm Model	4		
	B. Advanced Surgical Leg Suturing Training Model	4		
	C. Advanced Surgery Skills Training Toolbox	4		
	D. Suture practice trainers for training and evaluation	4		
	E. Suture evaluation simulator	4		
21	Tracheostomy & Cricothyroidotomy Simulator	2		
22	Nasopharyngeal Swab Collection Simulator	2		
23	Upper Body Bandaging Simulator	2		
24	Lower Stump Bandaging Simulator	2		
25	Composite Critical Care and Surgery Simulator	1		
26	Intradermal Injection Simulator	4		
27	Gluteal IM Injection Model	4		
28	Basic Life Support (BLS) System- Adult	4		
29	Basic Life Support (BLS) System- Paed	4		
30	Basic Life Support (BLS) System- Neonate	2		
31	Multiple delivery position pregnancy Simulator	2		
32	Breast Examination and Palpation Simulator	2		
33	Enema trainer	2		
34	Adult airway trainer	1		
35	Child airway trainer	1		

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36	Integrated Video Recording & Display system with Learning management system	3		
37	Tube feeding trainer	2		
38	FAST Ultrasound Training Model	1		
39	Sticky Wounds Kit (24 pcs)	1		
40	Breast FNAC Training Model	1		
41	IV arm for flow rate measurement	1		
42	ALS Mannequin	1		
43	Turnkey & furniture (As per the scope of WORK/Corrigendum, Approved)Plan	1		

Amendment in Technical Specification & detail tentative lay out of Skill Lab along with turnkey

(work details These amendment must be included in the compliance statement failing which bid will be consider as non-responsive)

Item no 7 : Intramuscular Injection of Upper Arm

Point 1. The model's injection sites should Practice injections in the upper arm muscles safely on a realistic model that provides instant feedback to make training more effective and meaningful.

May be read as

"The model's injection sites should Practice injections in the upper arm muscles safely on a realistic model."

Point 2. This advanced medical model should develop to avoid the danger of injecting the needle into nerves and veins in the upper arm muscles.

May be read as

"Deleted"

Point 3. The model should be transparent other than right arm that should be covered with lifelike skin for the injection training.

May be read as

"The model should be preferably transparent other than right arm that should be covered with lifelike skin for the injection training."

Point 5. The acromion apophysis and other bones are included making it possible to confirm injection spots by palpation.

May be read as

"Deleted"

Point no 36 :-Video Recording & Display system

may be read as

Learning management System with Following feature

LMS must have following features and Quoted must include all hardware/software/active and passive components including licencing

1. LMS and encrypted video streaming, record and playback high definition video and presentation, up to HD 720p
2. Create interactive, multimedia rich courses using content library with unlimited cloud storage • Share content through HTTPS/ REST protocol
3. Enhance course effectiveness with exhaustive assessment options, reports and analytics • Shared virtual whiteboard, updates its view for all attendees in real time
4. Supports You tube videos within live classes and content loading from Gmail, Google drive etc. in to the library
5. User/ Role Management and Customization at Administrative, Student and Teacher level - admin with the ability to limit the maximum number of participants and restrict or authorize the recording capabilities to a definite set of users
6. Supports multi-tenant architecture where users are registered per tenant - Instructor managed mute control for both audio & video - Instructor /Co-instructor can annotate on top of the shared content (like PDF, PPT and DOC) in the session
7. Additional registered co-instructor are allowed with sufficient permissions, to schedule a session at any time with ability to share desktop using screen sharing, play a video file, conduct a poll during the session, access others content library, upload and share content from desktop, plot shapes like triangle, rectangle, cube, advanced Shapes like Flow charts, Chemistry, Maps and Grids, Emoticons etc. and rights to remove the unwanted attendee from the live session - Supports multiple students in single virtual classroom session
8. View attendee list in the live class also remotely control audio/video streams - Display names for each participant connected in the session
9. Discussion forum - 24x7 mentoring, peer to peer learning - Tests and assignments with automated instant results - Performance analytics and reports - Shared media player to share any audio/video file (streamed directly from the cloud) - Web based scheduling interface to schedule live sessions
10. Send SMS-Invites, Email notifications about session scheduling, session reminder, etc. to all registered participants with a click of button
11. Live group and private chat - Shared code editor enabling the teaching of software languages - Create/delete new and bulk users through a CSV file
12. Get attendance report including total number of sessions conducted, each attendee's login/logout time, total number of minutes attended, absences etc. also retrieve and downloaded in excel format - Course certificate for learners
13. Upload and share multiple image formats like JPG, PNG etc. during the virtual classroom session
14. Time lapsed and time remaining option to extend the duration of the class from within the virtual classroom session
15. Provision to have a centralized directory by the administrator of all registered users - Registered users access based on administrator privileges - Access to virtual classrooms protected by username and password authentication so that before the Instructor/Co-instructor enters, participants are placed in a virtual waiting room.

Network storage & playback option

1. live and record -
2. Minimum 5TB of cloud storage to store session recordings -
3. Upload files with minimum of 1 GB file size; add meta data (title, description, language) to each uploaded file
4. Delivered to students regardless of their locations on standard PCs/Laptops through standard WiFi & 4G internet connection
5. Scheduled sessions and Ad hoc sessions mode at the same time
6. 5 or more simultaneous video streams and 20 simultaneous audio stream - Web based (web app) with automatic NAT firewall traversal (no extra hardware required), ICE, STUN, TURN protocols for secure connectivity over Internet.
7. Works in Google Chrome, Mozilla FireFox web browsers without any software downloads - Supports major operating systems like Windows, Mac and Linux
8. Cloud based online content library
9. updated and accessible
10. Class recording automatically available for web and mobile streaming within a certain duration of the class ending -
11. The media traverse over encrypted SRTP (Secure RTP) -
12. Store recording back in the content library automatically, download in mp4 format
13. Connect any endpoint which is connected to the Internet using IP v4 or IP v6
14. Intelligent built in capability for dynamic bandwidth, resolution matching, fallback to pure audio maintaining the continuity of the session in low bandwidth
15. Join session with authentication by the user over OAuth2.0, or other standard SSOs if desired
16. Record and playback high definition video and presentation, up to HD 720p; fast forward, rewind and skip video of recording during playback

Turnkey work

The tentative diagram for the Skill lab area is attached along with the document in ATC for reference

It Should include

- i. All modification, Alteration of Civil structure as per the requirement of Skill lab.
- ii. All the partition to be done with High density Ply wood with Mica finished upto 2.5 ft to 3 ft from the floor and above that must be 12 mm toughened itched glass
- iii. Signage for the entire area
- iv. Storage rack in each and every room as per the requirement & indicated in the layout with lock and Key facility
- v. Doors must be flush doors with glass in between
- vi. Blinds required for the entire area
- vii. Electrical & lights fittings must be of adequate no as per the requirement.
- viii. The bidder has to submit the detail 3D drawing as well as the Items offered in the technical bid
- ix. 12 nos of CCTV camera
- x. Ceiling mounted Camera with LMS .

Large discussion Group Room

- 1.It should accommodate 40+2 people at a time
- 2.Must be supplied with 8 no folding table of Round/oval/Pentagon shape of reputed make.
- 2.Must be supplied with 40no Student chair with armrest and cushion and two nos of executive chair .
- 4.The room should have supplied with 1 no large 96" UHD interactive board
- 5.Must include audio-visual system including Microphone, speaker and audio amplifier system which must be integrated with LMS for debriefing the skills and scenarios
6. Sound proofing of the room is also included if required

Small discussion Group Room

1. It should have a V shape conference table 8-10 people at a time with power socket and HDMI Socket .
2. 10 nos of executive chair.
3. The room should have supplied with 1 no large 65" UHD interactive board
4. Must be integrated with LMS for debriefing the skills and scenarios
5. Should be supplied with a 4K video bar .

OSCE Stations

15 nos Modular workstation areas must be provided similar to the picture as shown below .

Out of 15 , 2 nos OSCE stations could accommodate a bed and a chair

Rest 13 nos OSCE stations could accommodate a worktable and two chairs each

Demonstration Room

1. It should accommodate 40+2 people at a time
2. Must be supplied with 4 no foldable narrow long table of rectangular shape of reputed make.
2. Must be supplied with 40 no Student chair with writing Self and cushion and two nos of executive chair.
4. The room should have supplied with 1 no large 96" UHD interactive board
5. Must include audio-visual system including Microphone, speaker and audio amplifier system which must be integrated with LMS for debriefing the skills and scenarios
6. Sound proofing of the room is also included if required.
7. Must have adequate no of lockable Storage racks to store the task trainers.

ALS Mannequin Room & other Full patient model mannequin

1. Must have all the facility like ICU bed, and other furniture's
2. Must have control room
3. Adequate no of work table, Executive chair, Control system must be a part of the system

Furniture

1. As mentioned above in room wise
2. Chairs and table for reception Area
3. Executive Table & chairs for Office room
4. Storage lockers for storage area
5. Particle board /Engineered wood /Laminated board will not be acceptable
6. Furnitures approved make Godrej / Midmark/ Featherlike / Nilkamal Etc with certified

2.2 Buyer Added Bid Specific ATC:

Buyer uploaded ATC document [Click here to view the file](#).

Price Offered for Spares / Consumables | पुर्जों / उपभोग्य सामग्रियों के लिए प्रस्तावित मूल्य:

[Price Offered for Spares / Consumables Document link](#) | पुर्जों / उपभोग्य सामग्रियों के दस्तावेज़ लिंक के लिए प्रस्तावित मूल्य

Note: This is system generated file. No signature is required. Print out of this document is not valid for payment/ transaction purpose.

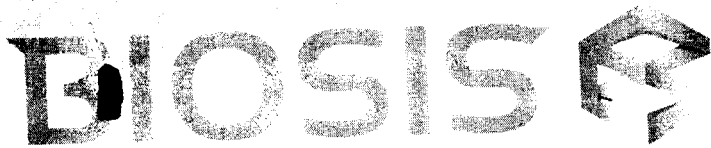
नोट: यह सिस्टम जनरेटेड फाइल है। कोई हस्ताक्षर की आवश्यकता नहीं है। इस दस्तावेज़ का प्रिंट आउट भुगतान/लेनदेन उद्देश्य के लिए मान्य नहीं है।

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List of Consumables Covered Under Warranty

Sl. No.	Description	Model	Consumables	Qty	Item code	Price
1	All-purpose Adult patient care simulator	Juno-100	Juno Abdominal Plate with bowel sound speakers and wiring and three universal plugs Medium SkinTone	1	253K601700	1,45,092.00
			IV Arm for Juno Medium Skin	1	253K605400	88,054.00
			NIBP/Pulse arm for JunoMedium Skin	1	253K647100	1,68,878.00
			KIT, PAD, Injection Site (2 IVs, 2 Deltoid, 2 Thigh, 1 VG, 1DG) in medium Skin Tone	1	CON-JUN13	1,51,674.00
2	All-purpose paediatric patients care simulator	LF03616	Intraosseous Infusion Bone Replacement Kit	1	LF03618U	36,000.00
			Intraosseous Infusion Left and Right Leg Skin Replacements	1	LF03619U	36,000.00
			Femoral Injection Pad Replacement	1	LF03626U	36,000.00
			Marquette Electronics Training Pad Adapters and Patient Simulator Adapters	1	LF03657U	36,000.00
			Skin and Vein Replacement Kit	1	LF03629U	36,000.00
3	Adult Lumbar Puncture Simulator	BPLP2103	Lumbar replacement tissue	1	BPLP2201	8,12,900.00
			Cervical replacement tissue	1	BPLP2203	8,12,900.00
			1 liter bottel of clear refill fluid	1	BRS182-CLEAR-1LTR	52,650.00
4	Knee for Injection & aspiration	BPMSK-1000	1 liter bottel of clear refill fluid	1	BRS182-CLEAR-1LTR	52,650.00

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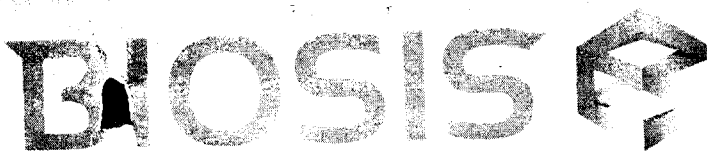
H.No 96, Bye Lane No.4, Near DGP Office

Ulubari, Guwahati-781007

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7	Intramuscular Injection of Upper Arm	LF01121 A	Shoulder Injection Pad Replacement	1	LF00991U	44,000.00
			White Skin & Vein Replacement Kit	1	LF01122U	28,000.00
9	Multipurpose injection trainer intradermal injection, subcutaneous injection and intramuscular tissue injection	LF01121 A	Shoulder Injection Pad Replacement	1	LF00991U	44,000.00
			White Skin & Vein Replacement Kit	1	LF01122U	30,000.00
10	Central venous catheterization simulator	BPHNB670-HP	Tissue replacement insert	1	BPH663	6,24,000.00
			1 liter bottle of red refill fluid	1	BRS180-RED-1LTR	52,000.00
			2 liter bottle of blue refill fluid	1	BRS181-BLUE-1LTR	52,000.00
11	Intraosseous infusion & femoral access Leg	LF03830	Replacement Adult I/O Skin Pads - Set Of 4	1	LF03832	50,000.00
			Replacement Adult I/O Bones - Set of 10	1	LF03831	50,000.00
12						
13	Multipurpose clinical centasis	BPTT2-1005	Replacement tissue insert for BPTT1000-1	1	BPTT1002	9,84,000.00
			Replacement anterior portal insert for BPTT1000-1	1	BPTT1003	1,26,000.00
			Replacement lateral portal insert for BPTT1000-1	1	BPTT1004	1,26,000.00
14						
15	Simulator for Pelvic Examination, Gynaecological Simulator with IUD	LF01235	Genital Pad	1	LF01238U	24,000.00

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			Gel Pad	1	LF01234U	30,000.00
			Abdominal Pad	1	LF01242U	25,000.00
			Abdominal Skin	1	LF01236U	30,000.00
OPTIONAL						
16	Intra Aural Examination Trainer	LF01019	Supplementary Set of Ear Examination	1	LF01020	2,00,000.00
17	Simulator for neonate care	LF01400	Replacement Bilateral Chest Rise Plate	1	LF01401U	12,000.00
			Replacement Unilateral Chest Rise plate	1	LF01402U	12,000.00
			Replacement Airway	1	LF01403U	11,000.00
			Replacement IV Hand Skin and Vein	1	LF01404U	12,000.00
			Replacement IV Foot Skin and Vein	1	LF01405U	12,000.00
18	Infant IV Arm	LF03637	IV Arm Replacement Skin/Veins	1	LF03641U	20,000.00
19	Paediatric Lumbar Puncture Simulator	LF01000	Pediatric Lumbar Puncture Replacement Kit	1	LF01000(A)	30,000.00
20						
21	Tracheostomy & Cricothyroidotomy Simulator	TCRIC1	Larynx inserts	1	NLX050	40,000.00
			wraparound neck skin *5	1	RSN1005	1,60,000.00
27						
28	Basic Life Support (BLS) System- Adult	LF03693 A	Lung Bag Tools, Pkg. of 4	1	LF03729	4,000.00
			CPR Manikin Lung-Mouth Protection Bags, Pkg. of 100	1	LF03696	12,000.00
29	Basic Life Support (BLS) System- Paed	LF03693 A	Lung Bag Tools, Pkg. of 4 (LF03729)	1		4,000.00

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			CPR Manikin Lung-Mouth Protection Bags, Pkg. of 100 (LF03696)	1		12,000.00
33	Enema trainer	LF00957				
34	Adult airway trainer	CTC91100X	Larynx inserts	1	NLX050	40,000.00
			wraparound neck skin *5	1	RSN1005	1,60,000.00
35	Child airway trainer	CC10006X	Larynx inserts	1	NLX050	40,000.00
			wraparound neck skin *5	1	RSN1005	1,60,000.00
36	Video Recording & Display system - for 3 rooms					
37	Tube feeding trainer	SB51827				
38	FAST Ultrasound Training Model	BPFAST1800	• BRS180-RED Red ultrasound refill fluid	1		52,000.00
			• BRS181-BLUE Blue ultrasound refill fluid	1		52,000.00
			• BRS182-CLEAR Clear ultrasound refill fluid	1		52,000.00
42	ALS Maniquine	Ares-300	New OLED Eye Assembly for Ares	1	253K521100	2,52,000.00
			IV Arm for Ares Medium Skin	1	253K605400	88,000.00
			NIBP/Pulse arm for Ares Medium Skin	1	253K647100	1,64,000.00
			Neck Band in Medium Skin Tone	1	CON-CSR05	40,000.00
PRICING IS EXCLUSIVE OF 18 PERCENT GST FOR CONSUMABLES						

For
BIOSIS MEDICAL SERVICES
Aditya Agarwal

House No 96, 4th Bye Lane, B.K.Kakoti Road Near



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**Make-in-India (MII) Local supplier certificate (as per order No P-45021/2/2017-PP (BE-II) by DPIIT,
Ministry of Commerce and Industry, GoI.)**

Bid number: GEM/2023/B/3531808 Dated 05/06/2023

Name of the item: Setting Up Skills Lab at Under Graduate Medical College

We certify that the item offered meets the local content requirement for

Class II Local supplier (Minimum 25%, but less than 50%, of local content)
Percentage of local content in the quoted product is more than 25%

Details of the location(s) at which local value addition made:

Products for Learning Management System from People Link, Hyderabad, India

Furniture's from Godrej/Neelkamalor similar, Mumbai, India

Authorized Signature:

Name: **Aditya Agarwal**

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Ulubari, Guwahati-Assam