

All Bidders**Amendment –II**

Project: Supply, Installation, Testing & Commissioning of Medical Gas Manifold System for Super Speciality Block at Indira Gandhi Medical College, Shimla, H.P.

IFB No. HSCC/SES/MGMS/SSB/Shimla/2019 dated 31.01.2019

This has reference to above IFB.

The following Amendment may be noted which shall be treated as part of the tender document and to be submitted duly signed & stamp along with tender.

Sr. No.	Bidders' Queries	Reply
1	<p>Standards/Guideline (Page 1) It states in last line : 'The imported products should be of one standard only'.</p> <p>Please amend it to 'The imported products should be of one standard only, excluding AGSS system and copper piping.</p>	Tender terms & conditions prevail.
2	<p>Medical and Surgical Air System (Page 6,Pt. 3(3.2)) You have asked for 50% standby in Air plant . This should be deleted and it should be as per standard . The vertical Air Receiver capacity is mentioned as 'at least 50% of primary plant capacity'.Please amend it to 'Should be as per corresponding standards quoted by the bidder'- The capacity shall be as per NFPA 99/HTM 02 01/ DIN standards .</p>	Should be as per corresponding standards quoted by the bidder'- The capacity shall be as per NFPA 99/HTM 02 01/ISO-7396-1/EN/ DIN standards
3.	<p>Vacuum Systems (Page 7, pt 4(4.2)) You have asked for 100% standby in vacuum plant . This should be deleted and should be as per standard.</p> <p>The vacuum reservoir total volume mentioned is 'volume of at least 100% of plant output'. Please amend it to 'Should be as per corresponding standards quoted by the bidder'- The capacity shall be as per NFPA 99/HTM 02 01/ DIN standards.</p>	Should be as per corresponding standards quoted by the bidder'- The capacity shall be as per NFPA 99/HTM 02 01/ISO-7396-1/EN/ DIN standards
4.	<p>AGSS (Page 9, Pt. 7) The capacity of plant is not defined-kindly specify the same.</p>	AGSS shall be suitable capacity considering the Nitrous Outlets in Modular OTs, Minor OTs, CT Scan, MRI & Cath Lab as per outlets disposition chart.

	<p>“In case, the qualifying experience certificate is from Private sector/ Charitable Hospital, the vendor should submit the TDS certificate as a proof of having executed the said work.”</p> <p>We are enclosing herewith the snippets for your kind reference & duly marked at Page no. 1 to 5 from Government Agencies NBCC (India) Ltd. and Project Implementation Unit, Gujarat about the TDS Certificate, which is clearly defined.</p> <p>The TDS certificate should be of same value as supporting document which will prove the authenticity of Private work completed. There should not be any room that any bidder plays with the private works, therefore the TDS Certificate should be made mandatory for the justification of the order value against the experience of similar nature of work.</p>	
10	<p>Performance of the Company</p> <p>We request, to kindly ensure that the bidder who has executed the similar nature of work who has worked in Government Hospital through Government Agencies such as M/s HSCC (India) Ltd., M/s HLL Lifecare Ltd, UPRNN, NBCC etc., the performance of the company should be satisfactory.</p>	Tender terms & conditions prevail.
11	<p>No Deduction from Running Bills</p> <p>We understand, a common ideology & practice has been adopted as that of M/s HLL Lifecare Ltd. in the present tender. While implementing all rules, we request there should not be any deductions with regard to retention, security amount etc.</p>	Tender terms & conditions prevail.
12	<p>Volume-3, SCC, Page no. 12, 12.3 Bid Security, Document Fee and EMD are exempted for NSIC registered Firm.</p> <p>As you are aware, to promote Micro Small & Medium Enterprise, Government of India had given the facility of NSIC Certification to the manufacturing firm. This may please be note that this clause is only applicable for manufacturing of goods in India and not for procurement of Imported goods.</p> <p>If we go through the tender BOQ items, there are Imported item such OT Light, Pendant etc. The NSIC certificate is not applicable, as the basic</p>	Document Fee and EMD are not exempted for procurement of imported goods.

	<p>principal of NSIC Certification is goods Made in India.</p> <p>We request this clause should be suitably amended so that NO Bidder could take undue advantage of NSIC Certification and all the bidders should be treated on single platform.</p>	
13	<p>Volume-III, Page no. SCC-37, 38, Clause no. 21.0 Terms of Payment</p> <p>For purposes of estimating the contract value of works executed for certificate of payment, the following norms shall be followed:</p> <ol style="list-style-type: none"> 1) 70% of the BOQ contract rates on delivery of equipments at site after inspection and passing on pro-data basis. 2) 20% of BOQ contract rates on satisfactory take over certificate by client after erection and installation, testing and commissioning of equipments on pro-data basis. 3) 10 % of BOQ contract rates after successful completion of trial run of 30 days from the date of handover to the client on pro-data basis. <p>We request, the payment terms should be amendmend as:</p> <ol style="list-style-type: none"> 1) 75% of the BOQ contract rates on delivery of equipments at site after inspection and passing on pro-data basis. 2) 15% of BOQ contract rates on satisfactory take over certificate by M/s HSCC after Installation. 3) 10 % of BOQ contract rates after successful completion of trial run of 30 days from the date of handover to the client on pro-data basis. <p>Please appreciate, as soon as the work order is received , the contractor has to initiate necessary actions for successful execution of the work order. Among the very important, Contractor need to place order to the respective suppliers, LC opening etc and as soon as the material arrives, necessary payment has to paid to the supplier because supplier will not wait till the completion of the project. After delivering the finished goods to the site, by our</p>	Tender terms & conditions prevail.

	<p>experience, most of the sites are not ready for installation, such as civil work is not complete, hospital staff is not available etc etc. Without any fault of contractor, he need to wait for the payment till the supply, installation and commissioning work [as mentioned in tender]. Initial payment is the lifeline to the contractors, which gives relief up to some extent.</p>	
14	<p>You will appreciate GST tax regime has been implemented since 1st July 2017 by Govt. of India. With the implementation of this system vis-a-vis in current payment structure, most of the projects gets delayed or handing over not taken by the Hospital/Institute/Department; because of this the balance payment gets stuck for longer duration. This way the liquidity get blocked and input credit is lost.</p>	Tender terms & conditions prevail.
15	<p>Imported</p> <p>We understand, Imported means the place from where the goods are mined, cultivated, grown, manufactured, produced or processed and Outside India.</p> <p>Accordingly the certification of the product applies i.e. if it is UL Listed certification same shall be applicable to American Manufacturer only and European CE Certification same shall be applicable to European Manufacturer only. We request this criteria should be strictly applied and maintained.</p> <p>It is further requested that the European CE Certified/UL listed Criteria for NFPA-99 STANDARD SHOULD BE "CERTIFICATION, WHEREVER APPLICABLE FOR ALL THE ITEMS of MEDICAL GAS".</p>	Tender terms & conditions prevail.
16	<p>Page no. 1 & 2</p> <p>1.1 Fully Automatic Oxygen Control Panel (Imported):</p> <p>Control panel should have Alarm reset switch/Mute /acknowledgement switch to control and monitor the alarm indications by the operator.</p> <p>Fully Automatic Oxygen Control Panel is defined as Automatic whereas at the bottom para it is mentioned "reset switch". Both the statements are contradicting to each other. Once the system is Automatic the reset word does not apply. The system will be automatic.</p> <p>We request, "Control panel should have Alarm reset switch/Mute /acknowledgement switch to control</p>	"Control panel should have Alarm reset switch/Mute /acknowledgement switch to control and monitor the alarm indications by the operator deleted.

	and monitor the alarm indications by the operator" should be deleted.	
17	<p>Page no. 3 & 4</p> <p>2.1 Fully Automatic Nitrous Oxide Control Panel (Imported): Control panel should have Alarm reset switch/Mute /acknowledgement switch to control and monitor the alarm indications by the operator.</p> <p>Fully Automatic Nitrous Oxide Control Panel is defined as Automatic whereas at the bottom para it is mentioned "reset switch". Both the statements are contradicting to each other. Once the system is Automatic the reset word does not apply. The system will be automatic.</p> <p>We request, "Control panel should have Alarm reset switch/Mute /acknowledgement switch to control and monitor the alarm indications by the operator" should be deleted.</p>	"Control panel should have Alarm reset switch/Mute /acknowledgement switch to control and monitor the alarm indications by the operator deleted.
18	<p>Page no. 3</p> <p>1.4 Oxygen Flow meter with Humidifier Bottle</p> <p>We request, Oxygen Flow Meter with Humidifier Bottle should be Imported for better quality product.</p>	Tender terms & conditions prevail.
19	<p>Page no. 3</p> <p>Fully Automatic Nitrous Oxide Control Panel : All functional components should be enclosed on fire resistant, robust synthetic polymer/SS.</p> <p>Kindly note all components are fire resistant and no where in Technical Specifications of Carbon Dioxide Control System it is mentioned.</p> <p>Therefore this para should be as similar to the Carbon Dioxide system.</p>	Tender terms & conditions prevail.
20	<p>Page no. 4&5</p> <p>3. Medical and Surgical Air System (Package Unit - Imported)</p> <p>- Variation of + 10% is missing</p> <p>Please appreciate throughout the world (Indian or Imported), the Models and the Capacity (LPM) of Air System are Pre-Defined by Manufacturers. Air System is not manufactured as per the requirement. Based on the Pre-Defined Air System, the Models</p>	Air Compressor plant capacity should be defined with variation of $\pm 10\%$

	<p>are selected as per the requirement. Like in M/s HSCC (India) Ltd. Tender no. HSCC/SES/MGMS/2018 Amendment no. IV dated 02.02.2018 +5% variation is given and M/s HLL Tenders such as SIX AIIMS for MGPS etc, + 10% variation is given. This + 5% or 10% variation is mentioned for ease in procurement.</p> <p>We therefore request, the Air Compressor plant capacity should be defined with variation of + 10% and same should be as per Standard.</p>	
21	<p>Page no. 5 Stage 3: Bacteria filter for removing particles down to 0.01 micron. Purity should be tested as per the American Pharmacopeia / European Pharmacopeia standard.</p> <p>We request the testing should be American Pharmacopeia/ European Pharmacopeia/Third Party such as TUV etc, which will be more appropriate for bidders.</p>	Tender terms & conditions prevail.
22	<p>Page no. 4&5 3. Medical & Surgical Air System (Package Unit - Imported) 3.2 Vertical Air Receiver Should be fabricated as per IS:2825/ASME/BS</p> <p>The Medical & Surgical Air System as per Tender Specifications is Imported. Then Vertical Air Receiver should also be imported. We assume there is misprint of IS 2825 along with ASME/BS. Please appreciate IS 2825 Standards is Indian Made Vertical Air Receiver as per IS 2825 Standard.</p> <p>We therefore request to kindly clarify the vertical receiver required. Kindly ensure the vertical receiver should be as per Standard.</p>	Tender terms & conditions prevail.
23	<p>Page no. 7 4.4. VACUUM SYSTEMS (Package unit – imported) - Variation of + 10% is missing</p> <p>Please appreciate throughout the world (Indian or Imported), the Models and the Capacity (LPM) of Vacuum System are Pre-Defined by Manufacturers. Vacuum System is not manufactured as per the requirement. Based on the Pre-Defined Vacuum</p>	Vacuum plant capacity should be defined with variation of $\pm 10\%$.

	<p>System, the Models are selected as per the requirement. Like in M/s HSCC (India) Ltd. Tender no. HSCC/SES/MGMS/2018 Amendment no. IV dated 02.02.2018 +5% variation is given and M/s HLL such as SIX AIIMS Tender no. HLL/PCD/PMSSY/AIIMS-II/14-RT-01/15-16 dated 31.12.2015 for MGPS etc, + 10% variation is given. This + 10% variation is mentioned for ease in procurement.</p> <p>We therefore request, the Vacuum plant capacity should be defined with variation of + 10% and same should be as per Standard.</p>	
24	<p>Page no. 7 4. VACUUM SYSTEMS (Package unit – imported) 4.4 Bacterial Filters</p> <p>Bacteria Filters does not come in NFPA-99 Standard. The Bacteria Filter is in built in the vacuum system. Bacteria Filters comes in HTM Standard. We therefore request to kindly take a note of it and issue necessary amendment.</p>	Tender terms & conditions prevail.
25	<p>Page no. 8 5. Ward Vacuum Units We request, Ward Vacuum Unit should be Imported for better quality product.</p>	Tender terms & conditions prevail.
26	<p>Page no. 8 6. Theatre Vacuum Unit</p> <p>We request, Theatre Vacuum Unit should be Imported for better quality product.</p>	Tender terms & conditions prevail.
27	<p>Page no. 9 8. DISTRIBUTION PIPING 8.1 Piping specifications</p> <p>We request the Medical Grade Copper Pipe should be Kite Mark. Here, Lloyd is 3rd party Inspection Agency whereas Kite Mark product and service quality certification mark which is owned and operated by the British Standards (BSI Group). It is a voluntary mark of manufacturers and service industries use to demonstrate safety and reliability. The product has been proven to meet the agreed high standard.</p>	Tender terms & conditions prevail.
28	<p>Page no. 11 10. AREA VALVE SERVICE UNIT : The Area Valve Service Unit should incorporate a ball valve with NIST connectors either side</p>	Should be as per corresponding standards quoted by the bidder'- The capacity shall be as per

	<p>mounted in a lockable box with emergency access.</p> <p>The NIST Connection as mention is as per HTM Standard. We work on the Principals of NFPA-99 Standard, where no NIST connection is applicable. We therefore request NIST Connection should be deleted.</p>	NFPA 99/HTM 02 01/ISO-7396-1/EN/ DIN standards
29	<p>Page no. 12 & 13</p> <p>15. Horizontal/ Vertical Bed Head Panel Facility per unit as under</p> <p>Kindly clarify, the mentioned facility is provision or actual.</p>	<p>Imported Gas Outlets quantities are already taken in the respective outlets in BOQ.</p> <p>Remaining facility as mentioned in the technical specification should be provided with Bed Head Panel. Electrical switch and sockets shall be of Indian typed.</p>
30	<p>Page no. 17</p> <p>12. The Medical Gas Pipe Line System must follow Single Standard any one only from: NFPA 99c/HTM02-01/ ISO 7396-1/DIN/EN.</p> <p>As mentioned the products should of one standard only; kindly note rest of the medical gas items are Engineering Products. Items such as Ward Vaccum Unit, Theatre Vaccum Unit, Flowmeter with Humidifier bottle are Accessories and are not part of Medical Gas Pipeline System. The Standard applies from Pipe Distribution to Gas Outlets Worldwide and all the Companies, this methodology is adopted.</p>	Tender terms & conditions prevail.
31	<p>Vol –IV, Technical Specification</p> <p>European CE certified and CE certified</p> <p>Kindly clarify the difference between the two certifications. CE itself means Conformance Europeene and by adding European CE, does it mean the product should imported?</p>	Tender terms & conditions prevail.
32	<p>Vol IV, Technical Specification, Page 3. Item no. 1.4</p> <p>Oxygen flow meter with humidifier bottle</p> <p>Should be BIS/CE certified/UL Listed.</p> <p>Kindly clarify if this item should be imported or indigenous as it includes UL/CE along with BIS which is Indian standards. This has implication on pricing as well.</p>	Tender terms & conditions prevail.
33	<p>Vol IV, Technical Specification , Page 9, Item No. 7</p> <p>AGSS (Anesthesia Gas Scavenging System) Plant (Package Unit – Imported)</p>	AGSS shall be suitable capacity considering the Nitrous Outlets in Modular

	There is no description of required LPM Request LPM be mentioned in the specification.	OTs, Minor OTs, CT Scan, MRI & Cath Lab as per outlets disposition chart.
34	Vol IV, Technical Specification, Page 12, Item No. 16. Horizontal/Vertical Bead Head Panel – Imported. Request that Bed Head panel be made Indigenous. High quality which are on par with imported makes are available.	Tender terms & conditions prevail.
35	Vol IV, Technical Specification, Page 14, Item no. 20, Turn Key Bidder should be responsible for antistatic rubber flooring in the manifold room and thickness of flooring not less than 1 inch. Suggestion – Antistatic is not required for manifold rooms since it is expensive for its utility in manifold room and will easily get damaged when cylinders are moved around.	Tender terms & conditions prevail.
36	Technical Specification Page No. 4 Point no. 14 (c) in Volume IV Flow meter with Humidifier (Imported) C. The flow meter body should be made of brass chrome plated materials. Request you to please add “ Brass Nickle Chrome plated” along with “ Brass Chrome plated”.	Tender terms & conditions prevail.
37	Completion Period Page No. 5 point 1.2 in Volume I 5 months from date of order of commencement Request you to increase it to 9 months from the date of commencement.	Tender terms & conditions prevail.
38	Page No. 6 of Volume I Similar nature of works means successful completion of supply, Installation, testing and commissioning of Medical Gas Manifold System in India. Request for Amendment – Similar nature of works mean successful completion of supply, Installation, testing and commissioning of Medical Gas Manifold System in any government/prestigious private hospital globally.	Tender terms & conditions prevail.
39	Itm Sr. No. 1.1, 2.1 and 19 - Fully Automatic Control Panel for Oxygen, Nitrous Oxide and Carbon di-oxide (Imported) In NFPA Standard, Control Panels can either be UL / ETL Listed. You are requested to kindly amend and mention Unit should be UL Listed / ETL Listed / European CE Marked.	Unit should be UL Listed / ETL Listed / European CE Marked.
40	Item Sr. No.1.1 – Fully Automatic Oxygen	1) Manifold Control

	<p>Control Panel (Imported)</p> <ol style="list-style-type: none"> 1) Please refer to tender technical specifications, wherein it is mentioned that the Manifold Control should be digital /Analogue type – Since Analogue type is outdated technology, we recommend amending it to Fully Automatic control panel of Digital type only. Please amend the same. 2) Please refer to the last line of 2nd para wherein it is mentioned that the Instructions for changing the cylinders should be clearly identified on the front of the control panel - It should be amended as indications instead of instructions for changing the cylinders should be clearly identified on the front of the control panel. Please amend the same. 3) Please refer to the 2nd last line of Para 4 of tender specifications, wherein it is mentioned that the Alarm reset switch / mute / acknowledgement switch to control and monitor the alarm indications by the operator – Ref. the alarm conditions inside the fully automatic control panel, operators are not allowed to mute / switch / acknowledgement the alarm, the front panel only shows the status of the Manifold and controlling alarm indications can be done through Master alarm. Hence this line may please be amended as “Control Panel shows the status of the Manifold and controlling alarm indications can be shown in Master alarm” or the line may please be deleted from tender technical specifications. 4) Please refer to the last line of Para 4 of tender specifications, wherein you have mentioned that all high pressure manifold regulators should contain no halogenated polymers and have adiabatic certification - please note this line is applicable for those who are quoting as per HTM standards and not for those quoting as per NFPA standard. We therefore request you to kindly delete lines which compiles to one standard only. 	<p>should be digital /Analogue type.</p> <ol style="list-style-type: none"> 2) Tender terms & conditions prevail. 3) May be read as “Control Panel shows the status of the Manifold and controlling alarm indications can be shown in Master alarm”. 4) Tender terms & conditions prevail.
41	Item Sr. No. 1.2 – Oxygen Manifold Supply System	Tender terms & conditions prevail.

	<p>1) Please clarify the item Oxygen Manifold required in the tender is indigenous or imported.</p> <p>It is mentioned that the Manifold should be hydraulically tested at 3500 psig – Please note as per NFPA standard, Manifolds are designed with a maximum inlet pressure of 3000 psig instead 3500 psig. You are requested to kindly amend the same.</p>	
42	<p>Item Sr. No. 1.3 – Emergency Oxygen Manifold</p> <p>1) Please clarify the item Emergency Oxygen Manifold required in the tender is indigenous or imported.</p> <p>It is mentioned that the Emergency Manifold should be hydraulically tested at 3500 psig – Please note as per NFPA standard, Manifolds are designed with a maximum inlet pressure of 3000 psig instead 3500 psig. You are requested to kindly amend the same.</p>	Tender terms & conditions prevail
43	<p>Item Sr. No.2.1 – Fully Automatic Nitrous Oxide Control Panel (Imported)</p> <p>1) Please refer to tender technical specifications, wherein it is mentioned that the Manifold Control should be digital / Analogue type – Since Analogue type is outdated technology, we recommend amending it to Fully Automatic control panel of Digital type only. Please amend the same.</p> <p>2) Please refer to the 2nd last line of 1st para wherein it is mentioned that all functional components should be enclosed on fire resistant, robust synthetic polymer / SS. – This is a company specific feature and not a product / standard specific feature. We therefore request you to kindly delete this line from tender technical specifications.</p> <p>3) Please refer to the 2nd last line of Para 2 of tender specifications, wherein it is mentioned that the Alarm reset switch / mute / acknowledgement switch to control and monitor the alarm indications by the operator – Ref. the alarm conditions inside the fully automatic control panel, operators are not allowed to mute / switch / acknowledgement the alarm, the front panel only shows the</p>	<p>1) Control Panel should be digital/Analogue type.</p> <p>2) Tender terms & conditions prevail.</p> <p>3) “Control Panel shows the status of the Manifold and controlling alarm indications can be shown in Master alarm”.</p> <p>4) Tender terms & conditions prevail.</p>

	<p>status of the Manifold and controlling alarm indications can be done through Master alarm. Hence this line may please be amended as “Control Panel shows the status of the Manifold and controlling alarm indications can be shown in Master alarm” or the line may please be deleted from tender technical specifications.</p> <p>4) Please refer to the last line of Para 2 of tender specifications, wherein you have mentioned that all high pressure manifold regulators should contain no halogenated polymers and have adiabatic certification - please note this line is applicable for those who are quoting as per HTM standards and not for those quoting as per NFPA standard. We therefore request you to kindly delete lines which compiles to one standard only.</p>	
44	<p>Item Sr. No. 2.2 –Nitrous Oxide Manifold</p> <p>1) Please clarify the item Nitrous Oxide Manifold required in the tender is indigenous or imported.</p> <p>It is mentioned that the Manifold should be hydraulically tested at 3500 psig – Please note as per NFPA standard, Manifolds are designed with a maximum inlet pressure of 3000 psig instead 3500 psig. You are requested to kindly amend the same.</p>	Tender terms & conditions prevail.
45	<p>Item Sr. No. 2.3 – Emergency N2O Manifold</p> <p>1) Please clarify the item Emergency Nitrous Oxide Manifold required in the tender is indigenous or imported.</p> <p>It is mentioned that the Emergency N2O Manifold should be hydraulically tested at 3500 psig – Please note as per NFPA standard, Manifolds are designed with a maximum inlet pressure of 3000 psig instead 3500 psig. You are requested to kindly amend the same.</p>	Tender terms & conditions prevail.
46	<p>Item Sr. No.3 – Medical and Surgical Air System (Imported)</p> <p>1) Please refer to the Specifications of 3.1 – Air Compressor Modules - It is mentioned that the Compressor shall be supplied and installed in such a way after cooler with a quiet running fan to maximize cooling and efficiency – This is company / product specific line and not as per standard</p>	<p>1) Tender terms & conditions prevail.</p> <p>2) Tender terms & conditions prevail.</p> <p>3) Tender terms & conditions prevail.</p>

	<p>requirement. We therefore request you to delete this line from tender technical specifications.</p> <p>2) Please refer to the Specifications of 3.1 – Air Compressor Modules - It is mentioned that each desiccant dryer shall be provided with a dew point sensing switch that shall provide an alarm on the plant control panel – As per NFPA-99C standard, only one dew point sensor is provided for the entire system. The sample air for the dew point sensor shall take sample from the final line prior to delivery to facility. You are requested to kindly amend and mention “Desiccant dryer shall be provided with a dew point sensing switch that shall provide an alarm on the plant control panel”.</p> <p>3) Ref. Pressure Reducing station – It is mentioned that Padlocks available to allow locking of the valves - Please note as per NFPA standard, no locking valves are provided due to danger of accidental shut off. You are therefore requested to kindly delete the line from tender technical specifications.</p> <p>4) It is mentioned that compressor should have Intake filter Check valve Delivery pipe- Please note as per NFPA Standard, intake filter does not have Check Valve, since Check valve causes backpressure to the pump which decreases its life expectancy. Hence, the word “Check Valve” should be deleted and mention “Intake filter Deliver Pipe”.</p> <p>5) Para 3.4 – System Control – As per NFPA Standard, transformers used is fused instead of fuseless. You are therefore requested to kindly amend the same accordingly.</p>	<p>4) Tender terms & conditions prevail.</p> <p>5) Tender terms & conditions prevail.</p>
47	<p>Item Sr. No.4 - Vacuum (Suction) System Please refer to 4.5 – Accessories – It is mentioned that Flexible Connectors on inlet and exhaust of each pump, exhaust tee with union as well as copper tubing with Shut – off cock for gauge and vacuum switch etc – You are requested to kindly amend and mention Shut – Off cock for guage / bypass valve and vacuum switch etc.</p>	Tender terms & conditions prevail.

48	<p>Item Sr. No.5 - Ward Vacuum Unit</p> <ol style="list-style-type: none"> 1) Kindly clarify whether it is indigenous or imported. 2) Suction Regulator should be digital. Kindly mention the same and mention “Digital Suction Regulator”. 3) Please refer to point No.3 - It is mentioned that the vacuum level: 0-760mm of Hg – It should be amended as 0-750 mm Hg or more. Please amend the same accordingly. 4) Please refer to point No.6 - It is mentioned that it must have central adjustment knob with a color coded for 0-760mm of Hg – It should be amended as 0-750 mm Hg or more. Please amend the same accordingly. 5) At point No.6, it is mentioned that the 1000 ml safety jar, autoclavable at 121°C – The size of safety jar is inadvertently mentioned as 1000 ml instead of 100cc safety jar. Please amend the same accordingly. <p>It should be European CE Marked / USFDA Certified. Please amend the same accordingly.</p>	<ol style="list-style-type: none"> 1) Tender terms & conditions prevail. 2) Tender terms & conditions prevail. 3) Tender terms & conditions prevail. 4) Tender terms & conditions prevail. 5) May be read as 100cc safety jar.
49	<p>Item Sr. No.6 - Theatre Vacuum Unit</p> <ol style="list-style-type: none"> 1) Kindly clarify whether it is indigenous or imported. 2) Suction Regulator should be digital. Kindly mention the same and mention “Digital Suction Regulator”. 3) Please refer to point No.3 - It is mentioned that the vacuum level: 0-760mm of Hg – It should be amended as 0-750 mm Hg or more. Please amend the same accordingly. 4) Please refer to point No.6 - It is mentioned that it must have central adjustment knob with a color coded for 0-760mm of Hg – It should be amended as 0-750 mm Hg or more. Please amend the same accordingly. <p>It should be European CE Marked / USFDA Certified. Kindly add the same.</p>	<ol style="list-style-type: none"> 1) Tender terms & conditions prevail. 2) Tender terms & conditions prevail. 3) Tender terms & conditions prevail. 4) Tender terms & conditions prevail

50	<p>Item Sr. No. 7 - Anesthesia Gas Scavenging System (Imported)</p> <p>1) Please clarify Capacity requirement for AGSS System in LPM with standby requirement.</p> <p>2) It is mentioned that Connecting hose suitable to fit with anesthesia workstation should be provided – Please note Connecting hose suitable to fit with anesthesia workstation is specific to every company Anesthesia workstation and must be supplied by Anesthesia Workstation supplier. Hence, we recommend deleting the same from MGP bidder scope of work.</p> <p>3) Please clarify who will do the wiring from OT's to AGSS plant ?</p>	<p>1) The adequate capacity shall be taken considering the no. of Modular OTs, Minor OTs, CT Scan, MRI & Cath Lab as per outlets disposition chart.</p> <p>2) Tender terms & conditions prevail.</p> <p>3) In bidder's scope.</p>
51	<p>Item Sr. No.10- Area Valve Service Unit</p> <p>1) Kindly clarify whether it is indigenous or imported.</p> <p>2) It is mentioned that the AVSU should incorporate a ball valve with NIST Connectors either side mounted in a lockable box – Please note that in NFPA Standard AVSU's provided with pressure guage instead of NIST connectors. Kindly amend the same accordingly. Also note that valve boxes are not lockable type in NFPA Standard. We therefore request you to kindly amend the same accordingly.</p> <p>In the 2nd Para - It is mentioned that construction of valve box shall be extruded aluminum- We request you to kindly amend the same to Extruded aluminum / 18 guage steel complete with backed enamel finish. Please amend the same accordingly.</p>	<p>1) Tender terms & conditions prevail.</p> <p>2) Should be as per corresponding standards quoted by the bidder'- The capacity shall be as per NFPA 99/HTM 02 01/ISO-7396-1/EN/ DIN standards</p>
52	<p>Item Sr. No. 11.1 – Master Alarm (Imported) Kindly amend is to Master Alarm (Digital) – Imported</p>	<p>Master alarm shall have digital display</p>
53	<p>Item Sr. No.11.2 – Medical Gas Area Alarm (Imported) - It is mentioned that the Area Alarm should have digital / Analogue display of pressures –Since Analogue type is outdated technology, we recommend amending it to Digital display of pressures only.</p>	<p>Area Alarm shall have digital display of pressures</p>
54	<p>Item Sr. No.12 - Line Isolation Valves (Imported)</p>	<p>Should be as per</p>

	As per NFPA Standard, Isolation valves are manufactured in compliance with NFPA-99c standard and are not UL Listed/ European CE Marked. You are therefore requested to kindly delete European CE Marked / UL Listing.	corresponding standards quoted by the bidder'- The capacity shall be as per NFPA 99/HTM 02 01/ISO-7396-1/EN/ DIN standards
55	<p>Horizontal / Vertical Bed Head Panel</p> <ol style="list-style-type: none"> 1) Kindly mention whether you require 1 Channel, 2 Channel or 3 Channel Bed Head Panel. 2) Kindly delete the line from tender technical specification saying Bed space Management system with optional equipment rail. With all Equipment Rail Mount Accessories. All down drops should be installed at one end preferably & vertical drop installed at one end should be covered with Aluminum boxing with Matching color and mention “It should have one rail for mounting Accessories”. 3) It is mentioned that Lamp with flexible lighting is required - Please note LED Light can in built in the panel or can be provided with rail clamp which will be mounted on the rail. You are requested to kindly amend the same to “Built-in light feature -1”. <p>Kindly add and mention Bed Head Panel should be European CE Marked / UL Listed.</p>	<ol style="list-style-type: none"> 1) Tender terms & conditions prevail. 2) Tender terms & conditions prevail. 3) Tender terms & conditions prevail.
56	<p>Item Sr. No.19 – Fully Automatic Control Panel for Carbon Di-Oxide System (Imported)</p> <ol style="list-style-type: none"> 1) Please refer to the tender specifications, wherein it is mentioned that the Alarm reset switch / mute / acknowledgement switch to control and monitor the alarm indications by the operator – Ref. the alarm conditions inside the fully automatic control panel, operators are not allowed to mute / switch / acknowledgement the alarm, the front panel only shows the status of the Manifold and controlling alarm indications can be done through Master alarm. Hence this line may please be amended as “Control Panel shows the status of the Manifold and controlling alarm indications can be shown in Master alarm” or the line may please be deleted from tender technical specifications. 	<ol style="list-style-type: none"> 1. May be read as “Control Panel shows the status of the Manifold and controlling alarm indications can be shown in Master alarm”. 2. Tender terms & conditions prevail.

	<p>2) Please refer to the last line of tender specifications, wherein you have mentioned that all high pressure manifold regulators should contain no halogenated polymers and have adiabatic certification - Please note that this line is applicable for those who are quoting as per HTM standards and not for those quoting as per NFPA standard. We therefore request you to kindly delete lines which compiles to one standard only.</p>	
57	<p>Turnkey Work It is mentioned that Bidder should be responsible for antistatic rubber flooring in the manifold room and thickness of flooring not less than 1inch – This is not ideally required in Manifold room. Taking into A/c the fact that transportation of Cylinders & loading / unloading is lightly to damage the floor. We therefore recommend using Ironite flooring with minimum thickness of 5 mm. You are requested to kindly amend the same.</p>	<p>Antistatic rubber flooring/Ironite flooring with minimum thickness of 5mm.</p>
58	<p>Regarding Third Party Quality Certification of imported items Please refer to Page No.17 of Tender Technical Specifications – It is mentioned that Third party quality Certification of the imported MGMS equipments is to be provided for which no description is mentioned in BOQ as mentioned in past tenders published by HSCC. Since Third Party Certification is cost effective, we therefore request you to kindly add this item in tender BOQ as a separate item.</p>	<p>Tender terms & conditions prevail.</p>

The bid submission date is extended from 11.03.2019 to 15.03.2019 and bid security should be valid for 180 days from the date of original bid submission ie. from 27.02.2019.

All other terms & conditions remain unchanged.

Sr. Chief General Manager -I, HSCC (I) Ltd.
For and behalf of Principal, IGMC, Shimla