

All Bidders**Amendment -II**

Project: Supply, Installation, Testing & Commissioning of Medical Gas Manifold System for PGI Satellite Centre, Sangrur, Punjab.

IFB No : HSCC/SES/MGMS/PGI/SANGRUR/2019 Date : 09.01.2019

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>In technical specifications volume –iv, page no 25, approved makes for Medical gas Manifold system, point 11, Bed head Panels , Ohio is one of the brand that is approved against the Bed Head Panels.</p> <p>Our submission is that Ohio Medical Corp does not manufacture Bed Head Panels, so humble request to Change the Name and Include Biolume France in the list of approved makes. Also attached is the company profile of Biolume France for your reference.</p>	<p>All the makes mentioned in list of Approved makes are deleted.</p>
2	<p>In Air and Vacuum plants on page no 10 and 11 of technical specification of your tender document , the capacity of the plants is +-5</p> <p>Our submission is that it should be +- 10% as different companies have different plant capacities.</p>	<p>Capacity of plant should be in range $\pm 10\%$.</p>
3	<p>Vol 4 - Technical Specifications, Page 2, Para 1 a</p> <p>The oxygen manifold shall be of size 16+16 bulk cylinders.</p> <p>In Technical Specification the manifold size is mentioned 16+16, where as in the BOQ Item 1a it is</p>	<p>The oxygen manifold shall be of size 16+16 bulk cylinders.</p>

	<p>mentioned as 20+20. Both are contradictory. Please confirm the right size.</p>	
4	<p>Vol 4 - Technical Specifications, Page 3, Para 1 b</p> <p>Fully Automatic Oxygen Control Panel (Imported)</p> <p>This is a limiting clause and is tilted towards NFPA Standard. It is not possible to meet word by word requirement in toto of Technical Specs, as this is make specific. We request you to permit us to offer as per should fully meet and complies with ISO 7396-1 standards and as per manufacturers own design.</p>	Tender terms & conditions prevail.
5	<p>Vol 4 - Technical Specifications, Page 8, Para e</p> <p>Interconnection to LMO</p> <p>We request you to provide drawings of the site to identify the location of proposed LMO system and the location of Manifold Room, to enable ascertain the distance and routing to be estimated.</p>	Tender terms & conditions prevail.
6	<p>Vol 4 - Technical Specifications, Page 9, Para 2 b</p> <p>Fully Automatic Nitrous Oxide Panel (Imported)</p> <p>This is a limiting clause and is tilted towards NFPA Standard. It is not possible to meet word by word requirement in toto of Technical Specs, as this is make specific. We request you to permit us to offer as per should fully meet and complies with ISO 7396-1 standards and as per manufacturers own design.</p>	Tender terms & conditions prevail.
7	<p>Vol 4 - Technical Specifications, Page 10, Para 3.0</p> <p>Vacuum system shall be having system capacity of 220 cfm (± 5)/6228 LPM at 19" Hg to be delivered to the hospital with necessary standby arrangement as per the requirement of the relevant International Standard. Vacuum system should conform to NFPA- 99c/HTM-02-01/ISO-7396-</p>	Capacity of plant should be in range $\pm 10\%$.

	<p>1/DIN/EN.</p> <p>We request to amend the tolerance as ($\pm 10\%$) of plant capacity. Our Vacuum system generates 6666 lpm.</p> <p>To avoid ambiguity, we request you to confirm the standby & Reserve plant capacity which is required.</p> <p>Note: Standby capacity for NFPA & HTM/ISO Standards are totally different. In that case, how will the comparison and technical evaluation be made then?</p>	
8	<p>Vol 4 - Technical Specifications, Page 10, Para 3.0</p> <p>The system shall be consisting of lubricated rotary vane vacuum pumps with Control Panel equipment and one tank.</p> <p>We request to amend the number of tanks to 1/2/3 to facilitate ease of shipment. It is to be noted that as per HTM & ISO the tank capacity required shall be equal to plant capacity, which is approx 6000 Ltrs.</p> <p>We further request you to clarify on the size of tank required for bidders who wish to offer as per NFPA, as this is not clearly mentioned / recommended in the standard.</p> <p>Our concern is that comparison and evaluation has to be done apple to apple while seeking for products from different standards.</p>	Tender terms & conditions prevail.
9	<p>Vol 4 - Technical Specifications, Page 11, Para 4.0</p> <p>The Compressed air system shall be to provide minimum system capacity 150(± 5) Scfm/4250 LPM at 8.5bar to be delivered to the hospital with necessary standby arrangement as per the requirement of the relevant standard with</p> <p>We request to amend the tolerance as ($\pm 10\%$) of plant capacity.</p> <p>To avoid ambiguity, we request you to confirm the standby & Reserve plant capacity which is required.</p>	Capacity of plant should be in range $\pm 10\%$.
10	<p>Vol 4 - Technical Specifications, Page 14, Para 6.0</p> <p>Alarm System (Imported)</p>	Tender terms & conditions prevail.

	<p>This is a limiting clause and as tilted towards NFPA Standard.</p> <p>It is not possible to meet word by word requirement in toto of Technical Specs, as this is make specific. We request you to permit us to offer as per should fully meet and complies with ISO 7396-1 standards and as per manufacturers own design.</p>	
11	<p>Vol 4 - Technical Specifications, Page 17, Para</p> <p>All Down drops shall be installed at one end preferably & Vertical drop installed at one end should be covered with Aluminium boxing with matching colour.</p> <p>As per BOQ file, the BHP's are individual units totalling 57 Nos. Please clarify if the droplines are required to be covered for all individual BHP's. If yes, please specify the length qty of matching aluminium covering required, to have parity with all bidders.</p>	Tender terms & conditions prevail.
12	<p>Vol 4 - Technical Specifications, Page 17, Para</p> <p>Entire pipe line shall run in continuous horizontal panels with no break for each unit & length as per area where it has to be installed. As per BOQ file, the BHP's are individual units totalling 57 Nos. The Technical Specs and BOQ are contradictory. Please clarify</p>	Tender terms & conditions prevail.
13	<p>Vol 4 - Technical Specifications, Page 17, Para</p> <p>Following accessories should be provided locally with HBHP;</p> <ul style="list-style-type: none"> i) 5/15 Amp Modular Electrical Sockets with switches = 6 sets ii) IV Pole = 2nos iii) Vacuum slide = 1no. iv) Sliding blocks = 2nos. v) Nurse call system module = 1No. vi)) Infusion Pump Mounts = 1 No vii) Monitor Tray with Slider = 1 No. viii) Utility Basket = 1 No. 	<p>Tender terms & conditions prevail.</p> <p>Cut out provision for Nurse Call System should be provided.</p>

	<p>We have observed in other tenders that the accessories are often arranged and provided from local market. Please confirm if this is acceptable, or is it explicitly required to be completely imported.</p> <p>Please provide detailed technical specs of all the required accessories.</p> <p>It is recommended that instead of supplying Nurse Call module, a cut out provision to be arranged by bidder, thereby allowing the customer to install a Nurse call unit as per their choice.</p>	
14	<p>Vol 4 - Technical Specifications, Page 17, Para 8.0</p> <p>Valve Boxes</p> <p>Please confirm if this is Imported or Indigenous make. As per BOQ file, it is mentioned as imported.</p> <p>Please confirm the Valve Size and gas configuration required for each type of Valve Box.</p>	<p>As per BOQ. Tender terms & conditions prevail.</p>
15	<p>Vol 4 - Technical Specifications, Page 17, Para 8.0</p> <p>The window shall be marked with the following :- "CAUTION: MEDICAL GAS CONTROL VALVE CLOSE ONLY IN EMERGENCY"</p> <p>This is a limiting clause and as tilted towards NFPA Standard. It is not possible to meet word by word requirement in toto of Technical Specs, as this is make specific. We request you to permit us to offer as per should fully meet and complies with ISO 7396-1 standards and as per manufacturers own design.</p>	<p>Tender terms & conditions prevail.</p>
16	<p>Vol 4 - Technical Specifications, Page 18, Para 9.0</p> <p>Anaesthesia Gas Scavenging System (Imported)</p> <p>Please specify the Primary and Standby capacity of AGSS Plant.</p>	<p>Tender terms & conditions prevail.</p>
17	<p>Vol 4 - Technical Specifications, Page 20, Para 11.2</p> <p>Ward vacuum Units:</p>	<p>May be read as 500 ml to 2000 ml.</p>

	<p>Collection bottle 500 and 2000ml with mounting arrangement.</p> <p>The standard size available is 600ml or 2000 ml. Please clarify which is the exact type required.</p>	
18	<p>Vol 4 - Technical Specifications, Page 21, Last Para</p> <p>Gas Outlets: Terminal units socket shall be permanently coated with a low friction fluoropolymer for maximum reliability and service life.</p> <p>This is a limiting clause and is make specific. We request you to permit us to offer as per should fully meet and complies with ISO 7396-1 standards and as per manufacturers own design.</p>	Should meet standards as specified in tender specification.
19	<p>Vol 4 - Technical Specifications, Page 22, Para 13b</p> <p>Fully Automatic Carbon di Oxide Control Panel (Imported)</p> <p>This is a limiting clause and is tilted towards NFPA Standard. It is not possible to meet word by word requirement in toto of Technical Specs, as this is make specific. We request you to permit us to offer as per should fully meet and complies with ISO 7396-1 standards and as per manufacturers own design.</p>	Tender terms and conditions prevail.
20	<p>Vol 4 - Technical Specifications, Page 23, Para 14</p> <p>Low Pressure flexible Silicon tubing</p> <p>Please provide Technical Specification for this.</p>	Tender terms and conditions prevail.
21	<p>Vol 4 - Technical Specifications, Page 24, Para 15</p> <p>Line Isolation Valves The Lockable line valves must European CE mark/UL listed and complies with HTM 02-01/NFPA99 C/EN/DIN/ISO 7396-1 standard.</p> <p>Please confirm if this is Imported or Indigenous make. Can we offer indigenous make?</p>	As per tender specification
22	Vol 4 - Technical Specifications,	Civil works required for LMO

	<p>Page 24, Para 16</p> <p>Bidder must take into consideration in its bid, costs to be incurred for any additional work pertaining to Civil, Electrical, Mechanical and any other protections</p> <p>Please clarify if the Civil works required for LMO Plant will be done by the customer or needs to be arranged by bidder.</p>	<p>Plant is not in scope of bidder.</p> <p>However civil contractor will construct as per guide line of CCOE to be conveyed by MGPS bidder.</p>
23	<p>Vol 4 - Technical Specifications, Page 24, Para 16</p> <p>Installation of all electrical cabling must be of IS: 1554</p> <p>We presume the Electrical Cabling termination to the Bed Head Units supplied by bidder will be done by customer.</p> <p>Please confirm</p>	<p>Tender terms & conditions prevail.</p>
24	<p>Vol 4 - Technical Specifications, Page 24, Para 16</p> <p>Ventilation of Plant Room and Manifold Room of the MGMS and exhaustion of suctioned gases/air from the Vacuum unit exhaust blowers.</p> <p>Please confirm if Plant & Manifold Room are already available at site, or does this have to be constructed by bidder.</p> <p>We request you to provide complete drawings of the project site with locations clearly earmarked.</p>	<p>Construction of Plant Room & Manifold room is not in scope of bidder.</p>
25	<p>Vol 4 - Technical Specifications, Page 24, Para 16</p> <p>Arrangement for requisite Fire Extinguishing for the entire effective zones in the Manifold and Plant Room.</p> <p>Please specify the quantities and specifications of the fire extinguishers required.</p>	<p>Tender terms & conditions prevail.</p>
26	<p>Vol 4 - Technical Specifications, Page 24,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM :</p> <p>Automatic Oxygen Control Panel</p> <p>We request you to include the make of M/s Delta P SRL- Italy & M/s Senamed - Turkey in the list of Approved makes. Please refer attached</p>	<p>All the makes mentioned in list of Approved makes are deleted.</p>

	Credentials of the makes.	
27	<p>Vol 4 - Technical Specifications, Page 24,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM : Automatic Nitrous Oxide Control Panel</p> <p>We request you to include the make of M/s Delta P SRL- Italy & M/s Senamed - Turkey in the list of Approved makes. Please refer attached Credentials of the makes.</p>	All the makes mentioned in list of approved makes are deleted.
28	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM : Automatic Carbon Di Oxide Control Panel</p> <p>We request you to include the make of M/s Delta P SRL- Italy & M/s Senamed - Turkey in the list of Approved makes. Please refer attached Credentials of the makes.</p>	All the makes mentioned in “List of Approved makes” are deleted.
29	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM : Air Compressor</p> <p>We request you to include the make of M/s Ultra Controlo - Portugal & M/s Delta P SRL - Italy in the list of Approved makes. Please refer attached Credentials of the makes.</p>	All the makes mentioned in list of Approved makes are deleted.
30	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM : Vacuum Unit</p> <p>We request you to include the make of M/s Ultra Controlo - Portugal & M/s Delta P SRL - Italy in the list of Approved makes. Please refer attached Credentials of the makes.</p>	All the makes mentioned in list of Approved makes are deleted.
31	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>APPROVED MAKES FOR MEDICAL GAS</p>	All the makes mentioned in list of Approved makes are deleted.

	<p>MANIFOLD SYSTEM : AGSS</p> <p>We request you to include the make of M/s Ultra Controlo - Portugal & M/s Delta P SRL - Italy in the list of Approved makes. Please refer attached Credentials of the makes.</p>	
32	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM : Copper Pipe</p> <p>We request you to also include the make of M/s Metal Alloy Corporation - India, in the list of Approved makes. Please refer attached Credentials of the makes.</p>	All the makes mentioned in list of Approved makes are deleted.
33	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM : Valve Box</p> <p>We request you to include the make of M/s Delta P SRL- Italy & M/s Senamed - Turkey in the list of Approved makes. Please refer attached Credentials of the makes.</p>	All the makes mentioned in list of Approved makes are deleted.
34	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM : Alarm</p> <p>We request you to include the make of M/s Delta P SRL- Italy & M/s Senamed - Turkey in the list of Approved makes. Please refer attached Credentials of the makes.</p>	All the makes mentioned in list of Approved makes are deleted.
35	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM : Isolation Valves</p> <p>We request you to include the make of M/s Delta P SRL- Italy & M/s Senamed - Turkey in the list of Approved makes. Please refer attached</p>	All the makes mentioned in list of Approved makes are deleted.

	Credentials of the makes.	
36	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM : Bed Head Panel</p> <p>We request you to include the make of M/s Senamed – Turkey & M/s Berman- Italy & in the list of Approved makes. Please refer attached Credentials of the makes.</p>	All the makes mentioned in list of Approved makes are deleted.
37	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM : Gas Outlets</p> <p>We request you to include the make of M/s Delta P SRL- Italy & M/s Senamed - Turkey in the list of Approved makes. Please refer attached Credentials of the makes.</p>	All the makes mentioned in “List of Approved makes” are deleted.
38	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM : Oxygen Flowmeter</p> <p>We request you to include the make of M/s Delta P SRL- Italy & M/s Senamed - Turkey in the list of Approved makes. Please refer attached Credentials of the makes.</p>	All the makes mentioned in list of Approved makes are deleted.
39	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>APPROVED MAKES FOR MEDICAL GAS MANIFOLD SYSTEM : Electrical Control Panel</p> <p>Please confirm if the entire panel incl components has to be manufactured by these vendors, or is it Ok if the Electrical Panel Components are provided of these makes and the Panel structure manufactured by other certified panel manufacturers.</p>	All the makes mentioned in list of Approved makes are deleted.
40	Vol 4 - Technical Specifications,	Tender terms & conditions

	<p>Page 25,</p> <p>Bidder should quote Cost of CMC which shall be considered for ranking purpose in tender evaluation.</p> <p>Please confirm if the Purchase Order when placed shall be inclusive of CMC.</p>	prevail.
41	<p>Vol 4 - Technical Specifications, Page 25,</p> <p>The contractor should provide Operation during Defect Liability Period.</p> <p>Please clarify the meaning of Operation. Will the bidder have to provide manpower at site? If Yes, how many in each shift etc?</p> <p>The BOQ file does not have relevant areas to provide the Operation Cost. Please amend the BOQ file, if this scope of work is required to be provided.</p>	Tender terms & conditions prevail.
42	<p>Vol 4 - Technical Specifications, Page 26,</p> <p>Third party Validation (Optional) should be quoted by the contractor. Third party validation works should be done by the authenticated/eligible party. The offered cost will be considered for ranking purpose.</p> <p>Please confirm if the Purchase Order when placed shall be inclusive of work for Third Party Validation.</p>	Tender terms & conditions prevail.
43	<p>Vol 1- Page 3</p> <p>Last date of Bid Submission – 07.02.2019</p> <p>We request you to kindly extend the date of bid submission by at least 3 weeks from date of release of Pre Bid Query replies.</p>	Last date of bid submission is extended till 22.02.2018.
44	<p>Vol 1- Page 3</p> <p>Period of work completion – 5 Months</p> <p>Considering the quantum of work and imported equipment to be arranged, We request you to kindly amend the work completion time to minimum 8 Months</p>	Tender terms & conditions prevail.

45	<p>Vol-III, Special Conditions of Contract , Page No. SCC- , Clause 39.2.4, Page 25</p> <p>Water Supply & Power Supply The Contractor shall make his own arrangement for water supply at Site for drinking as well as construction purposes from the source provided by the client. The contractor will provide water & electricity to the Consultant's office free of cost for the required quantity by the Consultant's site office.</p> <p>We request the Owner to provide construction water and electric power on chargeable basis.</p>	Tender terms & conditions prevail.
46	<p>Vol-II, General Conditions of Contract, Clause 47.1 & Annexure-B (Appendix To Tender), Page 38 & 71</p> <p>Liquidated Damages for Delay: Amount of Liquidated damages : 1% (one percent) of contract price per calender week of delay Limit of liquidated damages : 10% (Ten percent) of contract price.</p> <p>Please consider the aggregate maximum of liquidated damages payable under clause No. 47.1 shall not exceed 0.05% of contract value per week of delay and shall be subjected to maximum amount of 5% on overall contract price.</p>	Tender terms and condition prevail.
47	<p>Vol-III, Additional Specific Conditions of Contract, Page No. SCC-, Clause 21.0</p> <p>Terms of Payment: For purposes of estimating the contract value of works executed for certificate of payment, the following norms shall be followed: 1) 65% of the BOQ contract rates on delivery of equipments at site after inspection and passing on pro-data basis 2) 25% of BOQ contract rates on satisfactory take</p>	<p>Terms of Payment: For purposes of estimating the contract value of works executed for certificate of payment, the following norms shall be followed: 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</p>

	<p>over certificate by client after erection and installtion, 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> <p>We would request to consider following payment terms: 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 installtion, 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. Moreover after mechanical completion if the commisioning of the MGMS system is got delayed for more than 3 months due to reasosns not attributable to Contractor then payment linked to this activities shall be released against submission of B.G. of equivalent amount.</p>	<p>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>
48	<p>General Point</p> <p>DLP Period Start Date</p> <p>After completion of installation works, if the commisioning of the MGMS system is delayed for more than 3 months due to reasosns not attributable to Contractor, then DLP period start date would be considered from that date. Please confirm.</p>	<p>Tender terms and conditions prevail.</p>
49	<p>General Point</p> <p>BOCW (Building & Other Construction Workers Act)</p> <p>Please confirm if BOCW cess will be applicable to this job.</p>	<p>Yes, Building Cess will be applicable.</p>
50	<p>General Point</p> <p>Customs Duty</p> <p>Please confirm customs duty is under customer or bidders scope.</p>	<p>It is under bidder's scope.</p>

	Also confirm the applicable rate of customs duty for the job.	
51	<p>Volume-I, Pre-Qualification Criteria; Page no. 5 & 6, Clause no. 2.2</p> <p>(ii) Experience of having successfully completed similar work during last 7 years ending last day of month previous to the one in which tenders are invited should be either of the following :</p> <p>Three similar* completed works costing not less than the amount equal to 40% of the estimated cost.</p> <p style="text-align: center;">or</p> <p>Two similar* completed works costing not less than the amount equal to 50% of the estimated cost.</p> <p style="text-align: center;">or</p> <p>One similar* completed work costing not less than the amount equal to 80% of the estimated cost.</p> <p>*Similar nature of works means successful completion of supply, installation, testing & commissioning of Medical Gas Manifold System. We also request , these work should complete in India. Work done outside India will not be accepted. Since the work done is to be done in India therefore the experience/qualification of a bidder should also be from India. Simultaneously the completion certificate should not be less than Executive Engineer or Project Manager.</p> <p>We request the clause of the tender should be further clarified that:</p> <p>The following was added in earlier Tender no. HSCC/SES/MOT & MGMS/PGI/Sangrur/2018 dated 30.08.2018.</p> <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>Experience of having successfully completed similar work during last 7 years ending last day of month previous to the one in which tenders are invited should be either of the following :</p> <p>Three similar* completed works costing not less than the amount equal to 40% of the estimated cost.</p> <p style="text-align: center;">or</p> <p>Two similar* completed works costing not less than the amount equal to 50% of the estimated cost.</p> <p style="text-align: center;">or</p> <p>One similar* completed work costing not less than the amount equal to 80% of the estimated cost.</p> <p>*Similar nature of works means successful completion of supply, installation, testing & commissioning of Medical Gas Manifold System in India.</p> <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>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>	
52	<p>Volume-I, Page no. 3,</p> <p>Period of Completion</p> <p>We request the period of completion should be 6 months after approval of drawings. You would appreciate that quantum of this is Project is large and arranging quantity of material takes time and resources. This is not mere supply of equipments items like Air System, Vaccum System, Control Panel etc are imported items for which procurement only starts after approval of final drawing which is a time consuming process.</p> <p>We hereby request to kindly increase the delivery schedule.</p>	Tender terms and conditions prevail.
53	<p>Volume-III, SCC, Page no. 12, 12.3 Bid Security,</p> <p>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, most of the tendered items are Imported. The NSIC certificate will not be applicable, as the basic 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>	Tender terms and conditions prevail.
54	<p>Volume-III, Page no. SCC-38, Clause no. 21.0</p> <p>Terms of Payment</p>	<p>Terms of Payment:</p> <p>For purposes of estimating the</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) 65% of the BOQ contract rates on delivery of equipments at site after inspection and passing on pro-data basis. 2) 25% 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) 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 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 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>	<p>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 installaltion, 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.
55	You will appreciate GST tax regime has been	Tender terms and condition

	<p>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> <p>Therefore we request to kindly Amend the payment terms. The same was added in earlier Tender no. HSCC/SES/MOT & MGMS/PGI/Sangrur/2018 dated 30.08.2018.</p>	prevail.
56	<p>5.0 Distribution Piping, Page no. 13, 14</p> <p>Outer Dia 35 mm Thickness 1.0</p> <p>The minimum thickness of copper pipes of 35mm and above outer diameter, should be 1.2mm as per Standard.</p>	The minimum thickness of copper pipes of 35mm and above outer diameter (42mm & 54mm), should be 1.2mm as per Standard and 76mm O.D. x 1.5 mm thick.
57	<p>Page 14 to 16</p> <p>6.0 Alarm System (Imported)</p> <p>We request to kindly incorporate latest Touch Type Alarm Technology instead of traditional one.</p>	Touch type Alarm Technology instead of traditional one should be taken.
58	<p>Page no. 19 & 20</p> <p>11.1 Flow meter with Humidifier (Imported)</p> <p>Since Flow meter with Humidifier is Imported, for quality assurance the item should be European CE/UL Listed.</p>	Flow meter with Humidifier should be European CE/UL Listed.
59	<p>11.2 Ward Vacuum Unit, Page no. 20</p> <p>Collection bottle 500 and 2000 ml with mounting arrangement.</p> <p>It seems there is mis-print. This should be 500 to 2000 ml instead.</p>	Collection bottle should be 500 to 2000 ml.
60	<p>Sr.No. 4 of Approved Makes</p> <p>Air Compressor</p> <p>Approved Makes:</p> <p>Amico/Allied Health care/BeconMedaes/Drager/Ohio Medical/Pneumatech Medical/Tritech/Atlas Copco</p>	All the makes mentioned in "List of Approved makes" are deleted.

	<p>Request to Add:</p> <p>We request to please add Powerex, USA as the company is specialised for Air Compressor manufacturing.</p> <p>The same was added in earlier Tender no. HSCC/SES/MOT & MGMS/PGI/Sangrur/2018 dated 30.08.2018.</p>	
61	<p>Sr.No. 5 of Approved Makes</p> <p>Vacuum Unit</p> <p>Approved Makes:</p> <p>Amico/Allied Health care/Beacon Medaes/Drager/Ohio Medical/Pneumatech Medical/Tritech</p> <p>Request to Add:</p> <p>We request to please add Powerex, USA as the company is specialised for Vacuum Unit manufacturing.</p> <p>The same was added in earlier Tender no. HSCC/SES/MOT & MGMS/PGI/Sangrur/2018 dated 30.08.2018.</p>	<p>All the makes mentioned in “List of Approved makes” are deleted.</p>
62	<p>Sr.No. 6 of Approved Makes</p> <p>AGSS</p> <p>Approved Makes:</p> <p>Amico/Allied Health care/Beacon Medaes/Drager/Ohio Medical/Pneumatech Medical/Tritech</p> <p>Request to Add:</p> <p>We request to please add Powerex, USA as the company is specialised for AGSS/WAGD manufacturing.</p> <p>The same was added in earlier Tender no. HSCC/SES/MOT & MGMS/PGI/Sangrur/2018 dated 30.08.2018.</p>	<p>All the makes mentioned in “List of Approved makes” are deleted.</p>
63	<p>Sr.No. 11 of Approved Makes</p> <p>Bed Head Panel</p>	<p>All the makes mentioned in “List of Approved makes” are deleted.</p>

	<p>Approved Makes:</p> <p>Amico/Allied Health care/BeconMedaes/Drager/Ohio Medical/Pneumatech Medical/Tritech/Trilux</p> <p>Request to Add:</p> <p>Quality Wise, Medepha Bed Head Panels is considered to be world best Make. We request to please add. Medepha, Italy. The same was added in earlier Tender no. HSCC/SES/MOT & MGMS/PGI/Sangrur/2018 dated 30.08.2018.</p>	
64	<p>Approved Makes for Medical Gas Manifold System</p> <ol style="list-style-type: none"> 1. Automatic Oxygen Control Panel 2. Automatic Nitrous Control Panel 3. Automatic Carbon Dioxide Control Panel <p>Request for Amendment to include the following make in list of approved makes :</p> <p>Make: Reaniemed</p>	All the makes mentioned in “List of Approved makes” are deleted.
65	<p>Approved Makes for Medical Gas Manifold System</p> <ol style="list-style-type: none"> 1. Air Compressor 2. Vacuum Unit <p>Request for Amendment to include the following make in list of approved makes :</p> <p>Make: Reaniemed/ Anest Iwata</p>	All the makes mentioned in “List of Approved makes” are deleted.
66	<p>Approved Makes for Medical Gas Manifold System</p> <ol style="list-style-type: none"> 1. AGSS 2. Valve Box 3. Alarm 4. Isolation Valve 5. Bed Head Panel 6. Gas Outlets 7. Oxygen Flowmeter 8. Electric Control Panel <p>Request for Amendment to include the following make in list of approved makes :</p>	All the makes mentioned in “List of Approved makes” are deleted.

	Make: Reaniemed	
67	<p>Liquid Medical Oxygen Storage Tank</p> <p>As per technical specifications:</p> <ul style="list-style-type: none"> a) Design Temperature : -196°C to + 50°C b) Hydraulic test pressure: 26 bar G c) Maximum Evaporation Rate : <0.35% of net value d) Material of Construction : Inner shell and wetted parts of SS 304 Outer shell of CS ASTMA 516 Gr. 70 / CGA 341 2002 EN13455 S275/S355 e) Joint Efficiency : 100% f) Radiography: 100% for inner, for outer spot g) External piping : From LMO Tank to Vaporizer SS304. From Vaporizer to inlet of Pressure Reducing Station SS304 . From Outlet of Pressure Reducing Station to Main header Copper h) Painting: Primer and finish with White RAL 9010 i) Inspection: By 3rd party (SGS/LLOYDS/TUV) j) Atmospheric Vaporizer: Duty Cycle: Continuous k) Pressure reducing station: Pressure regulator design flow rate of minimum 2000 LPM l) Inlet Pressure 17 Bar G <p>To be amended as:</p> <ul style="list-style-type: none"> a) Design Temperature : -196°C to + 40°C - 50°C b) Hydraulic test pressure should be as per EN 13458 code instead of 26 bar G. please amend the same. c) Maximum Evaporation Rate : <0.35% of net volume at STP d) Material of Construction – Inner Vessel shall be of SS304. Design Code EN 13458. Outer Vessel shall be IS2062 Gr B or equivalent. Design Code EN 13458 e) Joint Efficiency: As per code EN 13458 f) Radiography: Inner vessel: 100% on L-seam, T-joint, D'end and 25% on C-seamouter vessel: as it is casing only no radiography shall be taken.MOC: Outer vessel: IS 2062 Gr B g) External piping: From Outlet of Pressure Reducing Station to Main header Copper is not in INOX scope of supply. h) Painting: RAL 9016 i) Kindly also add 3rd party BVIS j) Duty Cycle: 6-8 hrs k) As vaporizer flow rate is 1200 Nm³/hr, pressure regulators designed flow rate is 25 LPM. Please amend the same. l) Inlet Pressure 13 Bar G 	<ul style="list-style-type: none"> a) Design Temperature : - 196°C to + 40°C - 50°C b) Hydraulic test pressure: 26 bar G or as per EN 13458 code. c) Maximum Evaporation Rate : <0.35% of net volume at STP d) Material of Construction – Inner Vessel shall be of SS304. Design Code EN 13458. Outer Vessel shall be IS2062 Gr B or equivalent. Design Code EN 13458 or CS ASTMA 516 Gr. 70 / CGA 341 2002 EN13455 S275/S355. e) Joint Efficiency : 100% or As per code EN 13458 f) 100% for inner, for outer spot or Inner vessel: 100% on L-seam, T-joint, D'end and 25% on C-seamouter vessel: as it is casing only no radiography shall be taken. g) Tender terms & conditions prevail. h) Painting: RAL 9016 i) Inspection: By 3rd party (SGS/LLOYDS/TUV/BVI) j) Tender terms & conditions prevail. k) Tender terms & conditions prevail. l) Inner Pressure 13-17 Bar G.

68	<p>Fully Automatic Nitrous Oxide Control Panel (Imported)</p> <p>Flow Capacity mentioned in the tender specification is very less. Kindly amend it to minimum 1500 LPM or above.</p>	Tender terms and conditions prevail.
69	<p>Fully Automatic Control Panel for Oxygen, Nitrous Oxide and Carbon di-oxide (Imported)</p> <p>In NFPA Standard, Control Panels are either UL / ETL Listed. You are requested to kindly amend and mention Unit should be UL Listed /ETL Listed / European CE Marked.</p>	Tender terms and conditions prevail.
70	<p>Vacuum (Suction) System</p> <ol style="list-style-type: none"> 1) Kindly clarify No. of Vacuum Pumps as working and No. of Vacuum Pumps as standby as it is not mentioned in the tender documents. 2) Kindly amend flow capacity to (+/- 10%) instead of (+/- 5%) 3) It is mentioned that flow capacity should be 6228 LPM and standby system capacity should be as per the relevant standard. Please note Standard never indicate about standby capacity requirement. It completely depends upon usage /requirement of Hospital. You are therefore requested to kindly clarify the configuration of standby arrangement as per hospital design requirement. 4) Required Vacuum tank size is not mentioned in tender specifications. Please specify the same. 5) It is not necessary to provide rust protected Receiver for Vacuum. Kindly delete rust protection from vacuum receiver instead material of receiver can be mentioned as the outer face has two coats of epoxy, under coat classed as primer and top coat as grey epoxy for durability of tank. 	<ol style="list-style-type: none"> 1) Tender terms and conditions prevail. 2) Flow capacity to (+/- 10%) instead of (+/- 5%) is amended. 3) Tender terms and conditions prevail. 4) Tender terms and conditions prevail. 5) Rust Coat/two coats of Epoxy with Primer.
71	<ol style="list-style-type: none"> 1) Kindly clarify No. of Air Compressors as working and No. of Air Compressors as standby as it is not mentioned in the tender documents. 2) Ref. Air Compressor, it is mentioned that Scroll / Screw Compressors to be provided. We request you to kindly amend it to Scroll / oil injected rotary screw compressors. 3) In reference to point no.2, kindly amend the line to The medical air compressor shall be of totally oil-less scroll / oil injected rotary screw compressors. 4) Ref. Air Dryer – It is mentioned that Heatless Air dryer is equipped with purge control. 	<ol style="list-style-type: none"> i) Tender terms and conditions prevail. ii) Tender terms and conditions prevail. iii) Tender terms and conditions prevail. iv) Tender terms and conditions prevail.(Standard superseds)

	<p>Please note purge control system is specific to one standard / company specific and not available with all the manufacturers. We therefore request you to kindly delete the line purge control from the Air Dryer specifications.</p> <p>5) Again it is mentioned that CO Monitors should be provided. Please note CO Monitors are specific to one standard requirement. We therefore request you to delete standard specific accessories.</p> <p>6) Kindly amend flow capacity to (+/- 10%) instead of (+/- 5%)</p> <p>7) The pressure of 8.5 bar in case of Air Compressors is not recommended. Kindly amend it to 10 Bar or above.</p> <p>8) It is mentioned that flow capacity should be 4250 LPM and standby system capacity should be as per the relevant standard. Please note Standard never indicate about standby capacity requirement. It completely depends upon usage /requirement of Hospital. You are therefore requested to kindly clarify the configuration of standby arrangement as per hospital design requirement.</p> <p>Required Air tank size is not mentioned in tender specifications. Please specify the same.</p>	<p>v) Tender terms and conditions prevail. (Standard Superseds)</p> <p>vi) Tender terms and conditions prevail.</p> <p>vii) 8.5 -10 bar to maintain constant working pressure at each outlet as per standard.</p>
72	<p>Distribution Piping</p> <p>The thickness of Copper Pipe of 35mm mentioned in the tender is 1.0mm, which is incorrect. It should be 1.2mm for 35mm Copper Pipe as per Medical grade standard. Kindly amend the same.</p>	<p>The minimum thickness of copper pipes of 35mm and above outer diameter (42mm & 54mm), should be 1.2mm as per Standard and 76mm O.D. x 1.5 mm thick.</p>
73	<p>Horizontal / Vertical Bed Head Panel</p> <p>1) Kindly add the point stating, Horizontal Bed Head Panels should have Built-in light feature.</p> <p>2) Kindly mention whether you require 1 Channel, 2 Channel or 3 Channel Bed Head Panel.</p> <p>3) Ref. Accessories, we will only provide Nurse Call System Module cutout in Bed Head Panel. Please mention sample will be provided by hospital authorities.</p> <p>Kindly add and mention Bed Head Panel should be European CE Marked / UL Listed.</p>	<p>Bed Head Panel should be European CE Marked / UL Listed.</p>
74	<p>Valve Boxes</p> <p>1) Kindly mention Valve Box should be provided with NIST Connection.</p> <p>2) Kindly also mention that AVSU are designed to provide local isolation of individual sections of the central gas and vacuum piping system</p>	<p>Tender terms and conditions prevail.</p>

	<p>in the hospital. Since Isolations is required for installation, maintenance or in the event of an emergency.</p> <p>3) It is mentioned that construction of valve box shall be 18 guage steel complete with backed enamel finish. We request you to kindly amend it to 18 guage steel / molded box and door.</p> <p>Line Pressure gauges are again specific to one standard. We therefore request you to kindly delete standard specific words and make specifications generic in nature to enable us to bid.</p>	
75	<p>Anesthesia Gas Scavenging System (Imported)</p> <p>Please clarify LPM requirement for AGSS System with standby requirement.</p>	Suitable capacity to meet system requirement as mentioned in tender document.
76	<p>Ward Vacuum Unit</p> <p>1) Kindly amend it to imported unit. 2) Regulator should only be digital. Kindly delete Analogue type 3) Vacuum Guage should provide digital indications. Kindly delete the word Analogue. 4) Jar should be minimum 2000ml instead of 500 to 2000 ml. It should be European CE Marked / USFDA Certified.</p>	Tender terms and conditions prevail.
77	<p>Theatre Vacuum unit</p> <p>1) Kindly amend it to imported unit. It should be European CE Marked / USFDA Certified. Kindly add the same.</p>	Tender terms and conditions prevail.
78	<p>Line Isolation Valves</p> <p>In NFPA Standard, Isolation valves are manufactured in compliance with NFPA-99c standard and are not UL Listed. You are therefore requested to kindly delete the UL Listing.</p>	Tender terms and conditions prevail.
79	<p>Turnkey Work:</p> <p>Please elaborate the scope of work under turnkey works and other related works under bidder scope. Please specify other related works.</p>	Tender terms and conditions prevail.
80	<p>Please define Number of Manpower required for operation in each site?</p>	Tender terms and conditions prevail.
81	<p>You are requested to kindly add below mentioned makes for the above referred tender:</p> <p>1) Bed Head Panel (Imported) – L M Medical, Italy 2) Oxygen Flow meter with Humidifier Bottle – Technologie Medicale, France Electric Control Panel – Schematic Systems, India</p>	All the makes mentioned in “List of Approved makes” are deleted.
82	<p>Technical specification : Page No. 19 Point no. 9 in Volume IV</p> <p>Anesthesia Gas Scavenging System (Imported)</p>	Should be as per NFPA-99c/HTM-02-01/ISO-7396-1/DIN/EN.

	<p>There is only one technology i.e. Rotary Vane mentioned in NIT specs which meets only NFPA99 guidelines. Where as HTM/ISO allows "Blower" technology which is Oil Free produce better output with less energy consumption. Request you to please add "Oil Free Blower Technology".</p>	
83	<p>Technical specification : Page No. 26 Point no. 11 in Volume IV</p> <p>Approved Makes : Bed Headed Panel (Imported)</p> <p>We are attaching the certification and catalogue of Berman, Italy Bed Headed Panels for your reference. These Bed Headed panels are European CE certified under Medical Directive 93/42/EEC. We request you to approve it. Kindly approve Berman, Italy</p>	<p>All the makes mentioned in "List of Approved makes" are deleted.</p>
84	<p>Technical specification : Page No. 21 Point no. 12 in Volume IV</p> <p>Gas Outlets (No. as per table annexed) (Imported)1. Alternatively Gas Outlet (Imported)- Gas specific components comprising the terminal unit second fix shall be manufactured from die cast Zinc alloy or similar hard wearing metal. Plastic Components should not be acceptable-</p> <p>We request, The plastic components with antimicrobial additive for gas outlets as per HTM 0201 standard shall be acceptable.</p>	<p>Tender terms and conditions prevail.</p>
85	<p>Technical specification : Page No. 20 Point no. 11 (11.1) in Volume IV</p> <p>Flow meter with Humidifier (Imported). The flow meter body should be made of brass chrome plated materials.</p> <p>Request you to please add "Brass Nickle Chrome plated" along with "Brass Chrome plated.</p>	<p>The flow meter body should be made of brass chrome plated/Brass Nickle Chrome Plated materials.</p>
86	<p>Technical specification : Page No. 26 Point no. 13 in Volume IV</p> <p>Approved Makes : Oxygen Flowmeter (Imported)</p> <p>We are attaching the certification and catalogue of</p>	<p>All the makes mentioned in "List of Approved makes" are deleted.</p>

	Delta P, Italy for your reference. These Oxygen Flowmeters with Humidifier are European CE certified under Medical Directive 93/42/EEC. We request you to approve it. Kindly approve Delta P, Italy	
87	<p>Technical specification : Page No. 18 Point no. 8 in Volume IV</p> <p>Valve Boxes:</p> <p>Accroding to NIT specifications, this only meets particular one standard i.e. NFPA99. As per HTM Area/Zonal Service unit should be separate for each gases. Single Valve box for all the Gases is not permitted under HTM compliance. Request you to kindly accept HTM compliance Area/Zonal Service units. We have enclosed technical data sheet and product catalogue for your kind consideration.</p>	Should meet Standards as per tender specification.
88	<p>Technical specification : Page No. 11 Point no. 3 in Volume IV</p> <p>Vacuum (Suction) System (Imported): Vacuum system shall be having system capacity of 220 cfm (± 5)/6228 LPM at 19" Hg to be delivered to the hospital with necessary standby arrangement as per the requirement of the relevant International Standard.</p> <p>The stand by arrangement for the vacuum system is different for different standards, which are as follow: NFPA 99- One pump to be on stand by. HTM 02-01- Two pumps to be on stand by. HTM 2022- One pump to be on standby. ISO 7396- Two pumps to be on standby. The bidder who will follow HTM 02-01 standard for the complete system will be at price disadvantage. We request you to allow a HTM2022 standard for Vacuum Suction System, so that the bidders are not at price disadvantage.</p>	Tender terms and conditions prevail.
89	<p>Technical specification : Page No. 12 Point no. 4 in Volume IV</p> <p>Air Compressors (Imported): The Compressed air system shall be to provide minimum system capacity 150(± 5) Scfm/4250 LPM at 8.5 bar to be delivered to the hospital with necessary standby</p>	Tender terms and conditions prevail.

	<p>arrangement as per the requirement of the relevant standard.</p> <p>The stand by arrangement for the Air Compressor system is different for different standards, which are as follow:NFPA 99- One pump to be on stand by.HTM 02-01- Two pumps to be on stand by.HTM 2022- One pump to be on standby.ISO 7396- Two pumps to be on standby.The bidder who will follow HTM 02-01 standard for the complete system will be at price disadvantage. We request you to allow a HTM2022 standard for Air Compressor System, so that the bidders are not at price disadvantage.</p>	
	<p><i>Note: HTM permits common units medical air & surgical air whereas NFPA does not. The above shall be read as common unit for compliance with HTM/ISO7396 standards but as separate units for compliance with NFPA 99. Medical and surgical Air package should be fully compliant with NFPA 99 with single point connections for electrical, intake air, discharge air, and condensate drains and mounted on the single base frame.</i></p>	Tender terms and conditions prevail.
90	<p>Payment terms: Page no. 38 Point 21.1 in Volume III</p> <p>Payment terms are 65%, 25% and 10% as per tender terms</p> <p>We request payment terms to be 70%, 20% and 10%</p>	Tender terms and conditions prevail.
91	<p>Completion Period: Page No.5 Point 1.2 in Volume I</p> <p>5 months from the date of order of commencement.</p> <p>Request you to increasae it to 9 months from the date of order of commencement.</p>	Tender terms & conditions prevail.

The bid submission date is extended from 15.02.2019 to 25.02.2019 and bid security should be valid for 180 days from the date of original bid submission ie. from 07.02.2019.

All other terms & conditions remain unchanged.

Sr. Chief General Manager -I, HSCC (I) Ltd.
For and behalf of Director, PGIMER, Chandigarh